knitter's
magazine

FUN WITH PHYSICS

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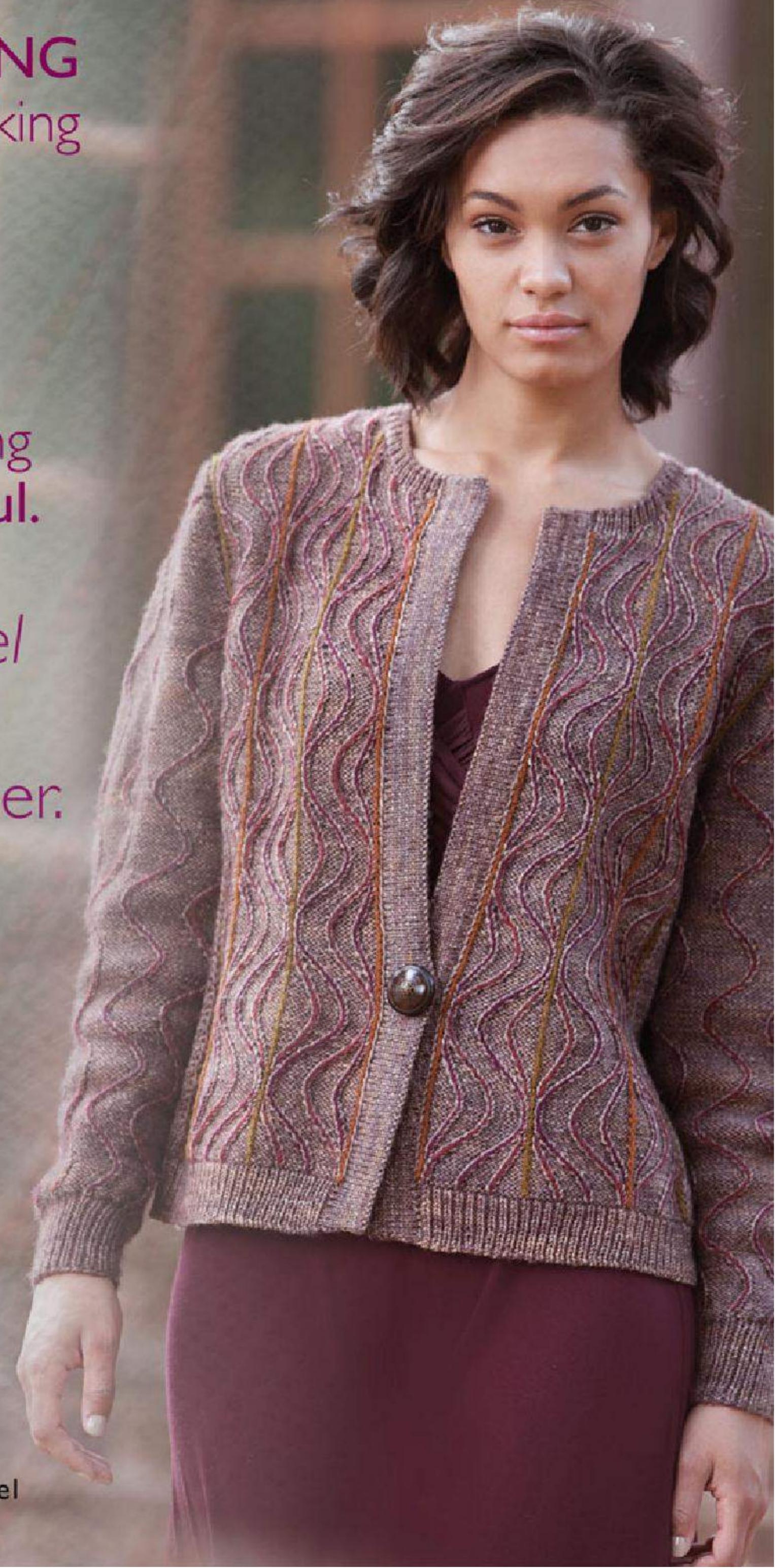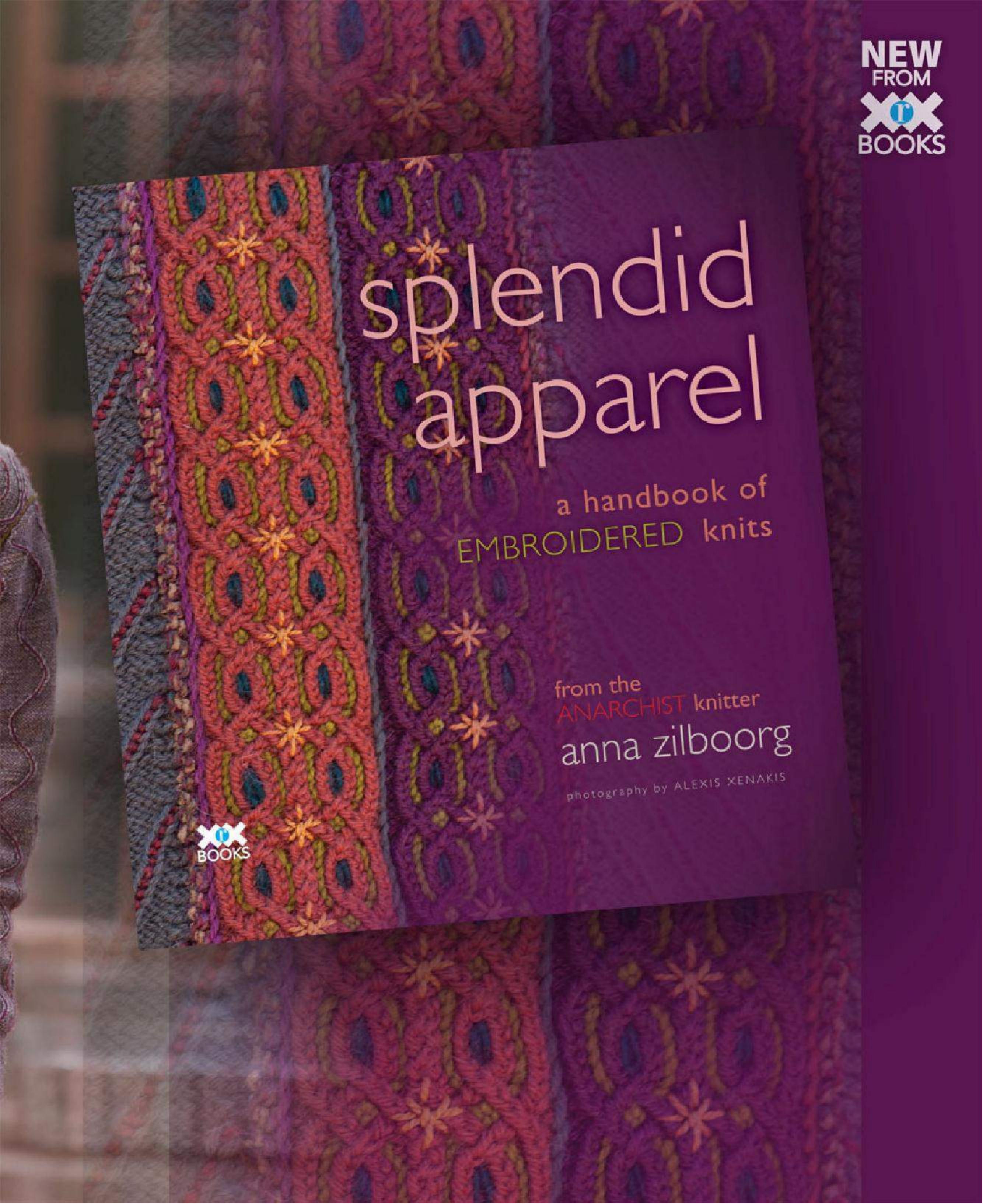
splendid
apparel

a handbook of
EMBROIDERED knits

from the
ANARCHIST knitter
anna zilboorg

photography by ALEXIS XENAKIS

XRX BOOKS

knitter's magazine

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FUN WITH PHYSICS

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Fun with physics
Volume 32/Number 1
On the cover:
Skirt the subject by
Candace Eisner Strick in
Malabrigo Silky Merino,
page 18
Photos by Alexis Xenakis

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FUN WITH PHYSICS

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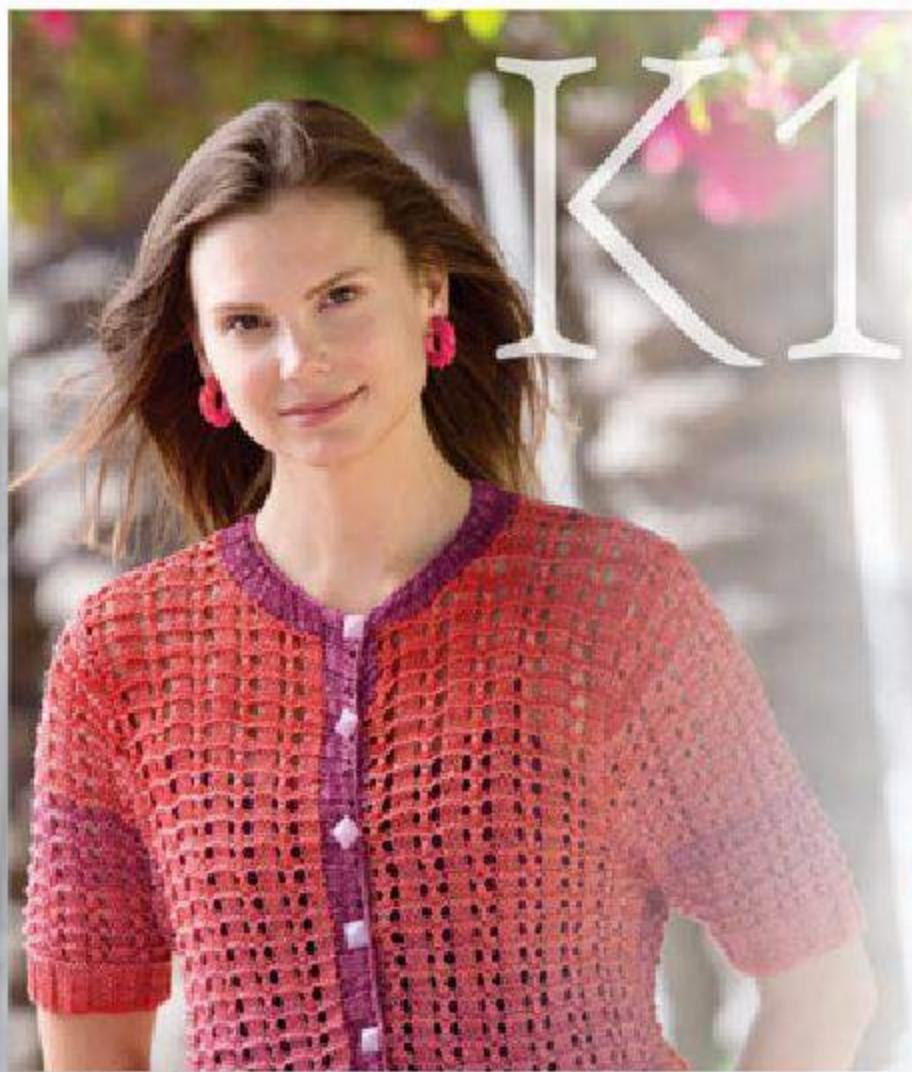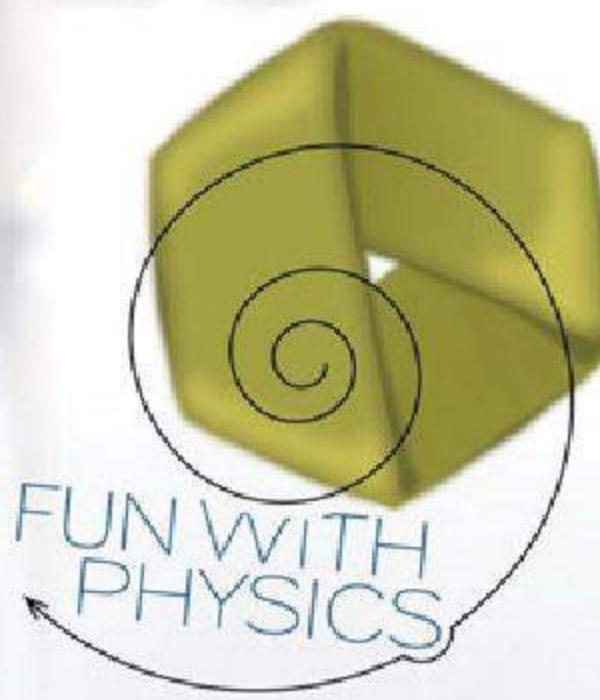
Knitting is an ever-constant opportunity to learn. We can simply sit down, play with our needles, and come up with a plan — based on what we already know — for something new and original. Or we may download a tutorial or webinar, or spring for the full treatment of attending a class at a shop or conference — choices are everywhere. Often we just choose a pattern from a book or magazine and go to work.

And, because our hobby is a passion — the joy of this learning is often far beyond what we experienced in school.

Twisted thinking

I learned a little about the Möbius shape 40 years ago in high school Physics, revisited it in Elizabeth Zimmermann's writing on how NOT to begin a circular knit, and lately have seen it used as a means to clever cowls and accessories.

Candace Eisner Strick's proposal for It's just physics was irresistible, and perfect for our spring offerings. When the project arrived I had to make one. The cast-on — which had always seemed tedious for just a simple cowl — might just be worth the effort. Besides, to edit the pattern and understand the process, casting on was my only option.

As I was practicing the cast-on, my mind was reeling with ideas to simplify it. I sampled 3 additional cast-on ideas with great success, and was inspired to create a finished knit from each! The result of all this is 4 Möbius cast-ons (see page 14) and 3 Möbius cowls. And my replication of It's just physics seemed to need a little something extra, so I came up with Skirting the subject.

Planned progression

So what happens when you try something new or expand on something you've done before? Take a look at the Warp speed tunics. Laura Bryant started with stockinette stripes, then inserted a ripple row every 8th row, then every 6th, every 4th, and finally every other row. The stripes morph into zigzags that become sharper as you progress, and the fabric narrows organically to shape the tunic/dress. We offer both 4- and 7-color options, but you could choose any number of colors and make each stripe any depth you like.

In Ripple effects, Kathy Zimmerman shows how a shift in stitch pattern affects the look of a simple cardigan silhouette, and Kennita Tully sets the ripple on its side, leaving an Accent on stripes worked in contrasting garter stitch. Against the neutral color of the body, the colored ripple is a great foil for contrasting buttons that replace the side seams.

Katharine Hunt lets a mosaic panel shine in Static resistance, and Jill Bigelow Suttell paints the Old Shale pattern in colors of the sea in Ocean shale.

Experimental assets

We periodically present design challenges at STITCHES events. Last August we featured the 'PANEL Panel' where we asked for pullover designs using a template from Myra Wood's Knitting in New Directions. Myra's offering fills the schematic with an idea from her book. Incline/decline uses short rows in the center front and back panels, then adds sideways-knit borders for the rest of the silhouette. Karin Skacel mixes felt with knitting in Grape inspirations. The center panels are Artfelt® bordered by knit side sections and sleeves. The side panels feature short-row hip gussets with no side seams.

The Trendsetter Group

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SPRING/SUMMER 2015
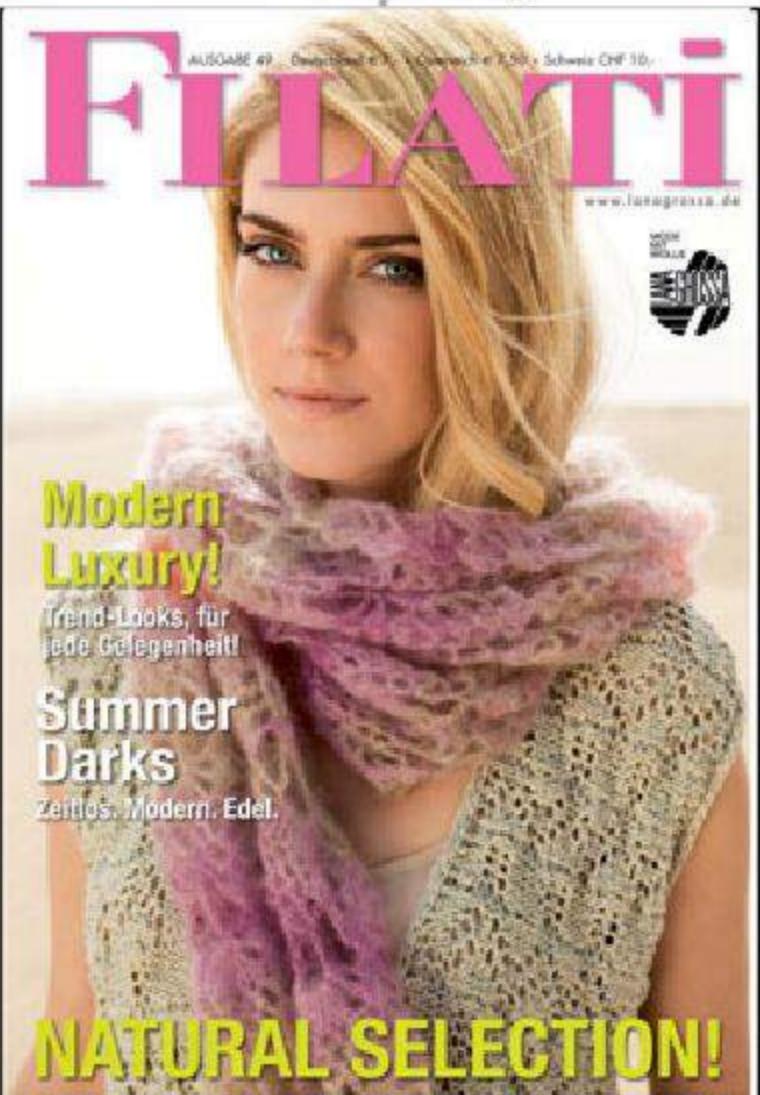
The Lana Grossa "Filati" book is the knitting fashion journal from one of the oldest and most well established knitting companies in the world. This is the first book available in the U.S.A. in over 3 years. The patterns are all in English featuring the most current Lana Grossa yarns for Spring/Summer.

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Seams possible?

Therese Chynoweth created *Ultraviolet* with an eyelet rib pattern. Those eyelets are perfect as buttonholes — and they also pinpoint placement for the buttons. *Radiating ribs* by *Lisa Jacobs* is pieced completely without seams, each section built modularly from picked-up stitches. Lisa also breaks a simple triangle shawl into parts. *Blueprint wrap* is a traditional shape worked in a modular way — a center panel with 2 triangular wings — where the stitch count remains manageable and decreases as you proceed.

Seeking harmony

A little lace goes a long way. *Red/violet* are on opposite sides of the color spectrum but analogous on the color wheel, and are perfect for long-gradient yarns. *Kathy Zimmerman* offers a stunning lace cardi, practical for any spring event.

Who doesn't wear denim and T-shirts? *Gayle Roehm's Refracting diamonds* is a blend of the two, with diamond-lace panels and strategic center-front shaping in a sleek pullover.

Vertical elements in a garment are flattering. Textured garter-stitch columns add *Surface tension* to horizontal stockinette striping. *Barry Klein* upgrades the jacket to *Silver status* with a stylish silhouette, simple closure, and beautiful stitch work. And *Fiona Ellis* proves that you are *Well connected* with sleek ribs, cables, and a sassy play of openwork at each cuff.

Learning something new is its own reward. To non knitters, knitting may seem like a simple pastime, but we take our needles and yarn seriously. This issue offers new perspectives and approaches — surprises and gems that reveal themselves as you poise the needles to work…and play…and learn!
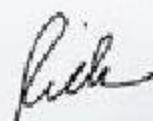
Rick Mondragon,
Editor
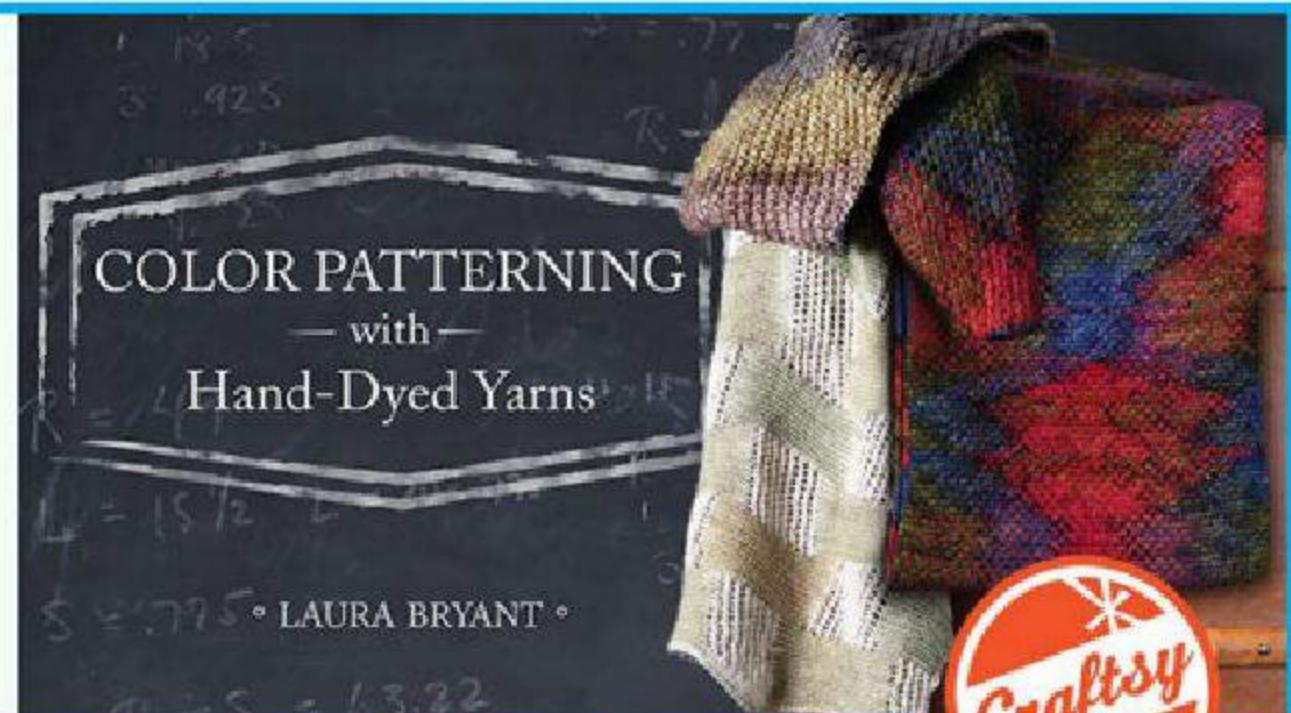
Surface tension
page 58

Blueprint wrap
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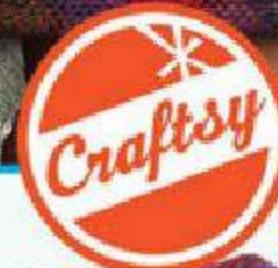
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Corrections & Clarifications
for print issues

K116, p.36 'Three-to-one windows' under *Crown*, after "8 stitches decreased." insert *Next row* Work 1 round even in established color pattern.

K117, p. 51 'Winter diamond wrap' *Section 1: Rows 5–18* With MC, find the beginning of a cream segment following a charcoal segment, and join yarn, then work in garter stitch.
Progress check The last stitches of Row 5 and about half of the first stitch in Row 6 should be charcoal. Row 7 should start with a charcoal stitch followed by cream section. Ideally, each time you come to the RS of the work, the first charcoal stitch should be 1 to the left of the last charcoal purl bump 2 rows below. If the charcoal advances by more than 1 stitch on each RS row, add a stitch to your cast-on. If the charcoal falls behind or ends at the same stitch each time, subtract stitches from your cast-on. At the end of Section 1, the charcoal will have shifted so the first and last stitches of the row are in the middle of the charcoal segments.

K117, p. 82 'Another slant' Replace *Block 6* with the following:

Block 6
6B: Back upper right

With A, cast on 36 (40, 40, 44). Work in Box Stitch and AT SAME TIME, shape armhole as follows: Work 2 rows even, then Dec 1 at beginning of every RS row 2 (4, 2, 4) times—34 (36, 38, 40) stitches. Work 7 (5, 9, 3) rows even, end with a WS row. [Inc 1 at beginning of next RS row; work 3 rows even] 12 times—46 (48, 50, 52) stitches.

Shape shoulder and neck
At beginning of every RS row, bind off 2 stitches 7 (8, 7, 8) times, then 4 stitches 8 (8, 9, 9) times.

6F: Front upper right

Work as for Block 6B EXCEPT reverse shaping. Shape side at end of RS rows.

Shape shoulder and neck
At beginning of every WS row, bind off 2 stitches 3 (4, 3, 4) times. **Next row** (RS) Bind off 20, work to end. At beginning of every row, [bind off 2, work to end; bind off 3 (3, 4, 4) work to end] 4 times.

Correction Supplements for issues 1–117, visit Knitter's main page; for XRX Books, the Books main page; both at KnittingUniverse.com, or email to help@xrx-inc.com.

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Möbius magic

The Möbius as a garment? Genius! And simple! As long as you realize that it is just physics, a little unexpected needle manipulation, and alternating rounds of knit and purl.

Möbius cast-ons

e-wrap cast-on

1 Using smaller needle, place a slipknot on the needle and e-wrap cast-on the desired number of stitches.

2 Slip the stitches to the flexible cable portion of the needle, then turn them so the stitches are facing down and the connecting loops are on top (see illustration).

3 Without using the working yarn, take the needle tip closest to the slipknot in your right hand. Starting with the stitches at the opposite end, place all of the loops onto the right needle (stitches remain on cable as shown in photo).

You now have double the number of stitches cast on + the slipknot on a needle that wraps through the knitting twice. The cable portion of the needle doubles around itself, crossing over at just one point, which gives the Möbius set-up its unique twist. You might have to tuck the cable portion of the needle down into the stitches to get the needle tips into the correct position for knitting.

4 Arrange your knitting so the working yarn is coming from the right needle. Place marker for beginning of round on the right needle and knit; when you reach the slipknot, knit into the slipknot. The remaining stitches have a twist at their base and need to be remounted as follows: slip each stitch knitwise to right needle, then purlwise back to left needle, then knit.

Rick sez:
- I have never been a fan of the e-wrap cast-on. I find that the strand between the stitches invariably gets longer as I work across the next row.
- As I placed the loops onto the right needle, they became tighter as I proceeded. I had to reorient each stitch in the second half of the first round before I worked it.

Candace counters:
Rick, you haven't been a fan of the e-loop—me too, except in this case. The long strands between the stitches have no bearing on this cast-on. In fact, the longer the strands, the easier it is to pick up all those top loops. If you cast the e-loops on too tightly it does become tighter and more difficult as you proceed. By using a smaller needle for the cast-on, but casting on very loosely, it is easy to pick up all the stitches without struggling.

I never found reorienting each stitch to be a hassle, but some people may. Its like doing one row of slip stitch, and after it's done, it never has to be done again.

Rick sez:
Point taken and I'm sold!

Circle cast-on using needle cable

1 With smaller needle, arrange needle as a big loop with one end in the right hand ready to work, and the other end held underneath hanging from the right-hand pinky (pointing in the opposite direction).

2 Place a slipknot on the right needle. Treating the flexible cable loop as a replacement for the yarn loop in a standard circle cast-on (see illustration), bring yarn through the cable loop forming a knit stitch, then make a yarn-over, and repeat for the desired number of stitches (each k1-yo combo creates 2 stitches on the needle).

The loops that are caught around the cable part of the needle will be treated as stitches once you join to work in the round. Those loops will be alternately oriented properly and improperly due to the knit/yarn-over sequence in the cast-on.

3 Next round Spread the stitches around the length of the needle to join in the round, knit into the slipknot (which is on the cable rather than on the needle tip), place marker (pm), **[k1, k1 tbl]** around to the slipknot, continue to knit to the marker.

Rick sez:
- I began with a slipknot and automatically built loops around the needle cable as I made each stitch. It was fast and easy!
- The first half of Round 1 is worked into loops that originally wrapped the cable. Rather than reorient them I can knit into the back loop when necessary.

Step 1
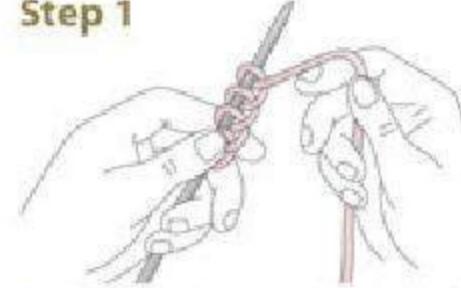
a Bring right index finger under yarn, pointing toward you.
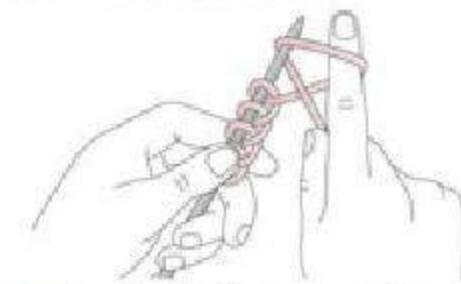
b Turn index finger to point away from you.

c Insert tip of needle under yarn on index finger (see above); remove finger, and draw yarn snug, forming a stitch.

Repeat until all stitches are on needle.

Step 2
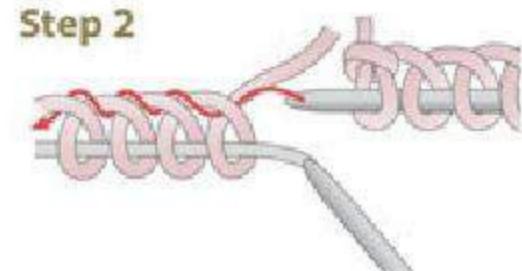
Standard circle cast-on
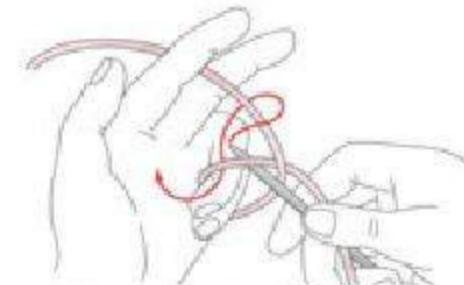
a Holding tail in right hand and working yarn in left hand, make a circle as shown.

b Insert needle in circle and draw working yarn through, forming a stitch on the needle. Do not remove fingers from loop.
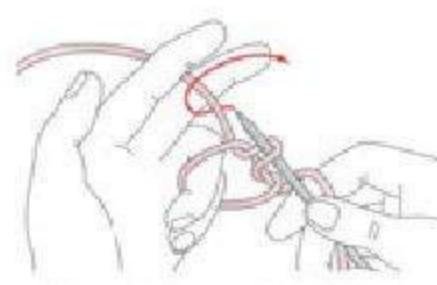
c Bring needle under and then over the working yarn, forming a yarn-over on the needle.

d Repeat Steps b and c, end with Step b.
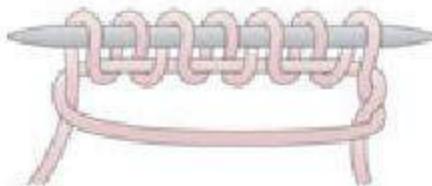
Cast on with waste-yarn tab

1 With waste yarn and smaller needle, cast on the desired number of stitches and work 4 rows stockinette, end with a RS row. Cut waste yarn and turn work.

2 Set-up row With purl side facing, change to main yarn (MC), make a slipknot on right needle, then knit 1 row.

3 Place marker. Slide the knitting onto the cable portion of the needle and arrange the tab so it is above the needle, revealing the 2-color purl ridge just created.

4 Arrange the needles and tab into a circle, then pick up and knit (PUK) 1 into each MC purl bump of the purl ridge.

After working the first few stitches, make sure to remove the slack between the last knit stitch and the first PUK.

You now have double the number of stitches cast on + the slipknot on a needle that wraps through the knitting twice.

5 Knit to the marker.

You can remove the tab any time after the first few rounds or wait until the end of the project.

Rick sez:
- The waste-yarn tab gives me something to hold onto, so it's easier to get even stitches right away.
- Each main-yarn loop is easily visible in the garter ridge, and all I need to do for the first half of Round 1 is PUK into each main-yarn purl bump.
- The tab marks the beginning row for ease in counting rows, and can be easily removed.

Step 2

Step 4
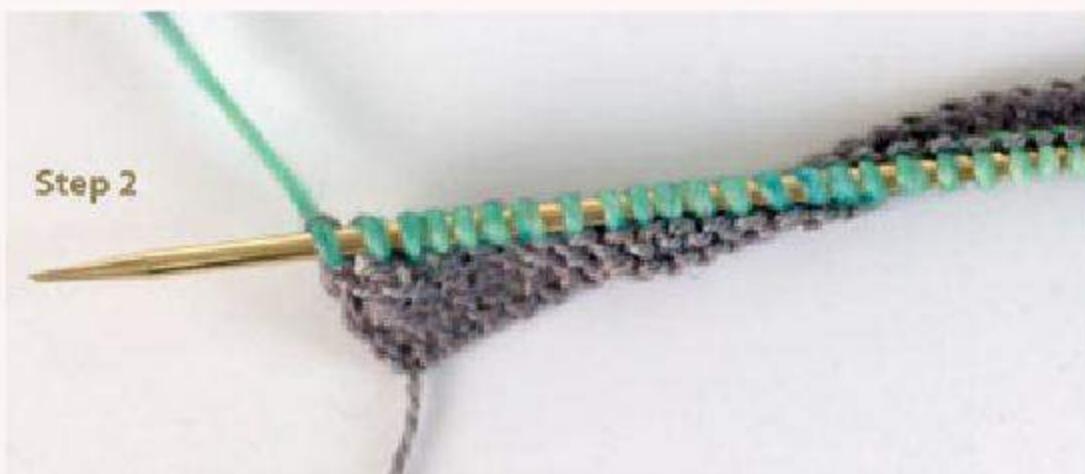
Cast on from a crochet chain

1 With waste yarn and crochet hook, make a chain with the same number of chains as the number of stitches to be cast-on. Cut waste yarn.

2 With smaller needle and main yarn, make a slipknot on right needle, then pick up and knit (PUK) into the purl bump of each chain (see illustration).

3 Slide the knitting onto the cable portion of the needle and arrange the crochet chain so it is above the needle, revealing the 2-color purl ridge just created.

4–5 Work as for Waste-tab cast-on.

Rick sez:
- Making a crochet chain is fast and easy; you can make it longer or shorter in just seconds.
- Each main-yarn loop is easily distinguishable from the purl bumps, and all you need to do for the first half of Round 1 is PUK into each main-yarn purl bump.
- The crochet chain marks the center row, and is easily removed.

Chain cast-on

Step 2
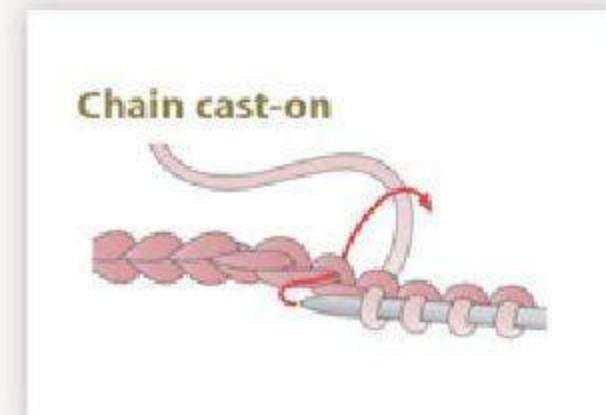
The simple Möbius is elevated to Masterpiece when you insert sleeves and make it a pullover. With 4 options for casting on, you have no choice but to get started on your own little shrug.

designed by
Candace Eisner Strick

It's just physics

GARTER STITCH
Round 1 Knit.
Round 2 Purl.

MÖBIUS BIND-OFF
[K2tog through back loops, then slip that stitch back to left needle] until 1 stitch remains. Fasten off.

TO WEAR
The beginning-of-round jog—where knits change to purls or vice versa—will be on the lower half of the back which puts the sleeve 'jog' on the underside. Slip over head, insert arms into sleeves, adjust twist on front. VOILA!!
You have defied the laws of physics yet again. Or is just magic?

7 (7½, 8, 8½, 9)"

5½"

35½ (37½, 40, 42½, 44½)"

distance between armholes
11½ (12, 13, 14, 15)"
armhole sts
35 (37, 39, 41, 43) sts
24 (26, 28, 30, 32) sts
24 (26, 28, 30, 32) sts
armhole sts
35 (37, 39, 41, 43) sts
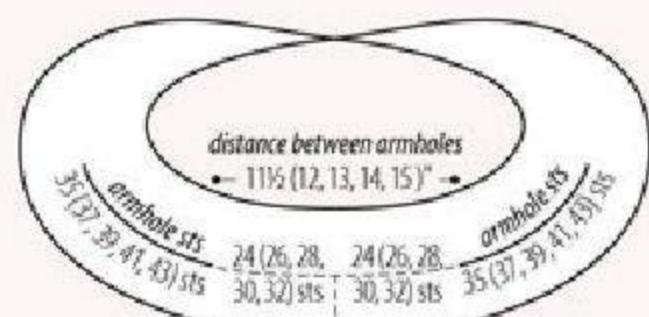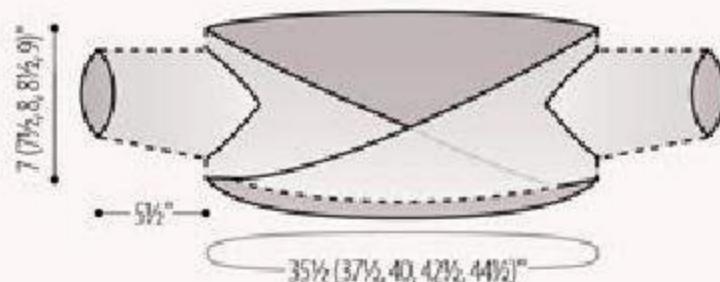
Top
Using one of the Möbius cast-on options, begin with a slipknot + **150** (160, **170**, 180, **190**) cast-on stitches. Work through the cast-on instructions so you have **301** (321, **341**, 361, **381**) stitches on the double-coiled needle.
Round 1 Change to larger needle and purl to end.
A round is a complete trip around the double coil of the needle. Halfway through the round the marker will be dangling from the cable portion just below the needles. The round is complete only when the marker is on the left needle, ready to transfer to the right.
Round 2: Armhole placement K24 (26, 28, 30, 32). With waste yarn, k35 (37, 39, 41, 43), turn, and purl the waste-yarn stitches. Cut waste yarn and turn. With working yarn, knit across the waste-yarn stitches, then k91 (97, **103**, 109, **115**). This is the halfway point of the round. K92 (98, **104**, 110, **116**). With waste yarn, k35 (37, 39, 41, 43), turn, and purl the waste-yarn stitches. Cut waste yarn and turn. With working yarn, knit to end of round.
Round 3 Purl. *Round 4* Knit. Repeat last 2 rounds 13 (14, **15**, 16, **17**, 18) more times. Work Round 3 once more.
Work Möbius bind-off.

Sleeves
Change to double-pointed needles (dpns) when necessary.
With the jog positioned at the bottom center back (see schematic), place the twist in the front with the RS of the waste-yarn stitches facing (they will look like stockinette). Starting with the stitches below the waste yarn, slip each stitch onto the shorter circular needle while removing the waste yarn. Slip the first half of the bottom stitches to the right needle to begin the round at the center of the bottom stitches. Place marker and join— **71** (75, **79**, 83, **87**) stitches; 36 (38, **40**, 42, **44**) from the bottom and 35 (37, **39**, 41, **43**) from the top. These numbers may be reversed, depending on which way you are holding the Möbius. It doesn't matter.
The first round of the sleeve will be a knit round, which continues the garter stitch pattern from the Möbius portion. If your first round looks like it should be a purl round, turn the work inside out to complete the sleeve.
Round 1 Knit to end of bottom stitches, pick up and knit 2 to close the gap, knit to end of top stitches, pick up and knit 2, knit to end— **75** (79, **83**, 87, **91**) stitches. *Round 2* Purl. *Round 3* K2tog, knit to last 2 stitches, SSK. *Round 4* Purl.
Work Rounds 3 and 4 four more times— **65** (69, **73**, 77, **81**) stitches.
Work Rounds 1–4 six times— **53** (57, **61**, 65, **69**) stitches.
Work 10 rounds even in Garter Stitch. Bind off.
For the second sleeve, make sure you reposition the jog at the bottom center back, with the sleeve beginning the round at the center of the bottom stitches.

STANDARD FIT

S (M, L, 1X, 2X)
A Circumference at underarm 35½ (37½, **40**, 42½, **44½**)" after blocking
B Top 7 (7½, 8, 8½, 9)", after blocking
B Top with skirt 18 (18½, 19, 19½, 20)", after blocking
C 11½ (11½, 12, 12½, 13)"
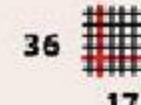
10cm/4"
36
17
over garter stitch, using **larger needle**

1 2 **3** 4 5 6
Light weight
Top
350 (375, 400, 425, **450**) yds
With skirt
650 (700, 750, 800, **850**) yds

3.5mm/US4, 119cm (47") long for body cast-on and first round
5mm/US8, 119cm (47") or longer for body (Nothing shorter will work.)
AND 40cm (16") long for sleeves

5mm/US8

&
waste yarn
removable stitch markers

NOTES
See *School*, page 74, for abbreviations and techniques.

Small: MALABRIGO Silky Merino in color 416 Indiecita
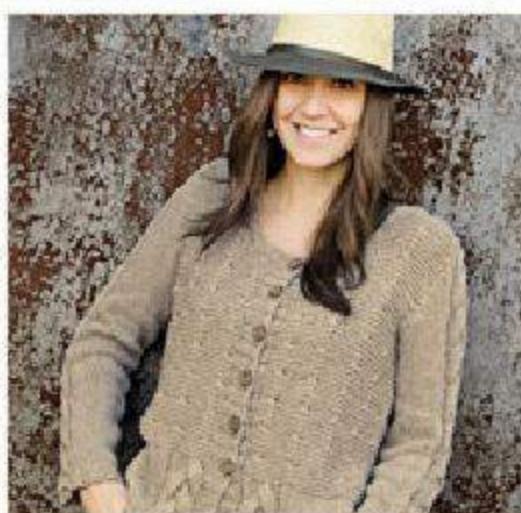
Skirt the subject

Once you complete your It's Just Physics top, begin again and add the skirt for a version that adds extra coverage and acts more like a cardigan.

RIDGE PATTERN

Row 1 (RS) Sl 1, knit to end.
Row 2 Sl 1, k4, purl to last 5, k5.
Rows 3 and 4 Sl 1, purl to end.

INC ROW

RS row Sl 1, **[knit to 1 before marked stitch, M1, k2, M1]** twice, knit to end.

It's Just Physics Plus Skirt
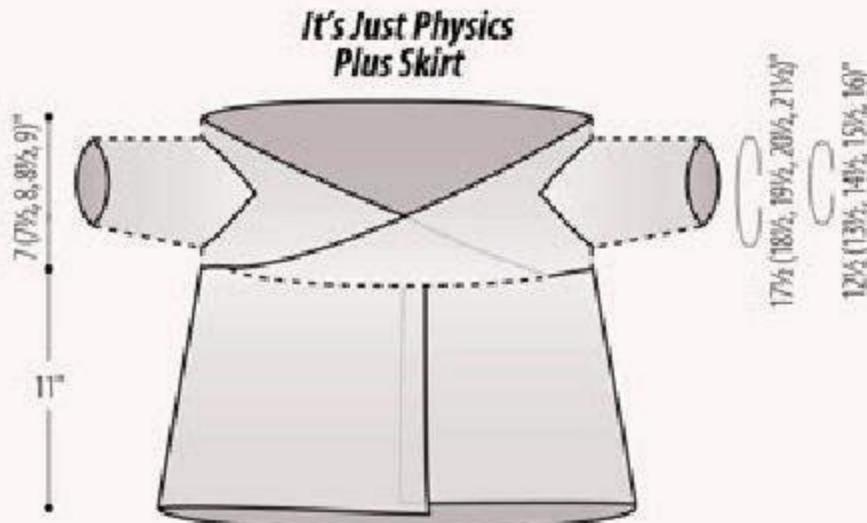
OPTIONAL SKIRT

Counting along lower edge of Möbius top, mark **82** (**87**, **92**, **94**, **102**) stitches from center back in each direction.

With RS facing and larger needle, pick up and knit 1 in each stitch from marker to marker.

Begin Ridge Pattern Work Rows 2–4, then work Rows 1–4 three more times — 4 ridges. Place marker in 40th stitch from each end. Continuing in pattern, **[work Inc Row; work 11 rows even (3 ridges)]** 5 times. Work even until piece measures 10½" from pick-up row, end with Row 4. Knit 3 rows. Bind off in knit on WS. ◠

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Möbius × 3

After falling in love with the whole concept of various Möbius cast-on ideas and techniques, we couldn't stop — so we turned each into a different cowl!

Cowls shown were worked with a circular needle in size 4mm/US6, 100cm (40") or longer, at a gauge of approximately 5 stitches and 12 rows to the inch.

MALABRIGO Mechita 300 yds
Cast on 187 + slipknot for 375 stitches. Work 44 rounds in garter stitch. Bind off.

7"
35"
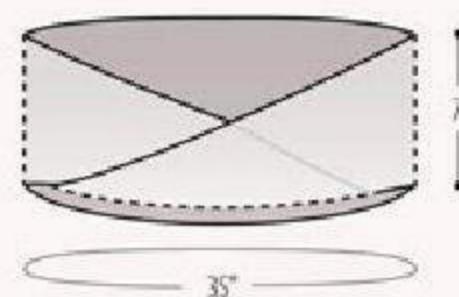
FRESH FROM THE CAULDRON
SW Graduated 300 yds
Cast on 182 + slipknot for 365 stitches. Work 39 rounds in garter stitch. Bind off.

6"
33"
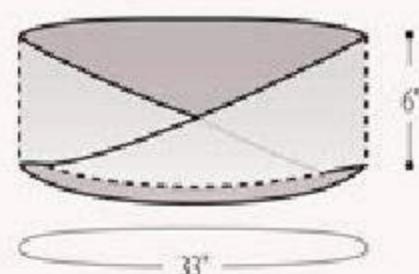
PATONS Kroy Socks 150 yds
Cast on 130 + slipknot for 261 stitches. Work 30 rounds in garter stitch. Bind off.
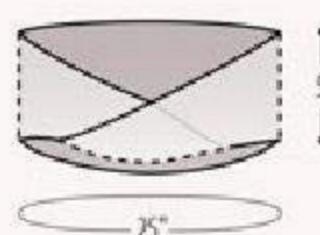
5"
25"

KNIT IN NEW DIRECTIONS→

with MYRA WOOD

A JOURNEY INTO CREATIVITY

Photography by ALEXIS XENAKIS

Fiber is serious fun! Especially when . . .

Our PANEL of 4 talented designers — Jenny King, Judith Shangold, Karin Skacel, and Myra Wood — were given a challenge: **Feature your fiber expertise to design a panel-based garment** using a template from *Knitting in New Directions*. A life-sized template is perfect for combining **knit** and **crochet** — even for mixing in **handwoven** or **felted fabric**.

Then we added a twist to the challenge. Each PANELList was handed a wild card: **Take a panel created by one of the others and add *your* pieces to make *their* design work**. The element of surprise forced the designers out of their comfort zones — a good place for creativity!

How did the PANEL meet our challenge?
Here we feature 2 of the resulting panels, made into full garments to inspire you or for you to recreate. Karin and Myra share their thoughts.

MASTER TEMPLATE

Back
Front

Jenny King

CROCHET

Jenny King is an innovative designer whose passion is crochet. From one-of-a-kind fashions to accessories, her work is characterized by the colors, flora, and fauna of her tropical home — Queensland, Australia. Jenny delights in pushing the boundaries of crochet — teaching the rules and then how to break them.

Judith Shangold

WEAVE

Judith Shangold started her fiber career as a weaver, then went on to develop pattern lines for knitters and as a distributor for Manos del Uruguay yarns. Now she has returned to her first love and is combining knitting and rigid-heddle weaving in textiles for garments and the home. See her book *Weave · Knit · Wear* (XRX Books).

Karin Skacel

FELT

Karin Skacel is a leading authority on Artfelt®, a paper-based felting technique. She was the first to experiment with it and has discovered many amazing possibilities. Prior to working with Artfelt®, Karin taught classes in glass fusing and lampwork, clothing design, sewing, knitting, crochet, and pottery painting. She is president of Skacel Collection, Inc.

Myra Wood

KNIT

Myra Wood is a fiber artist, a designer, and the author of *Crazy Lace, Creative Crochet Lace,* and her new book, *Knit in New Directions* (XRX Books). She's appeared on TV shows including Knitty Gritty, Knit and Crochet Now, and Uncommon Threads, and teaches her creative approach to knit and crochet at STITCHES and online.

TEMPLATE

Back
Front

PANEL, panel: Take 1

The directive and instructions for this challenge were sent out to four designers, leaving them with limited number of parameters for creating 2 panels and ultimately 2 garment fronts for the Designers' Challenge at Stitches Midwest 2014.

First wave

Create 2 center panels, approximately 7½" wide X 18" long, using the Pellon template provided. These panels can be identical or not—your choice. Then send one panel back to us and we will forward it to a fellow presenter. You will complete a garment front with your second panel and the yarns that remain.

Second wave

One of your finished panels will go to another presenter and you will receive a panel and its accompanying fibers from another presenter to complete a second garment front.

Myra evaluates her raw materials…

MYRA'S APPROACH

As author of the book, *Knit in New Directions*, it might be obvious that my general knitting approach is more template based than pattern based. I worked accordingly.

When the yarns arrived, I took a deep breath because I would be knitting with yarns I wouldn't ordinarily choose. I discovered a few things about glitzy yarns: Let the yarn speak for itself—complicated stitches and intricate techniques aren't necessary or even desired, as they get lost in the stitchwork.

I wanted to incorporate creative short rows. Once the two identical center panels were completed and one was sent off, I continued planning the sides to complete my front.

Since I'm visual, I work out my design ideas as graphics. I can mix and match pieces I've photographed and scan them into the computer from my actual swatches.

I decided to keep the sides simple and followed a theme of simple one-row and two-row stockinette stripes. The final piece was very much as I had envisioned, and I was tempted to finish the back and keep it for myself.

When the front was returned for completion of the top for publication in this issue, I worked the back center panel much like the front, but only used one color for the short-row wedges.

…swatches and blocks her idea…
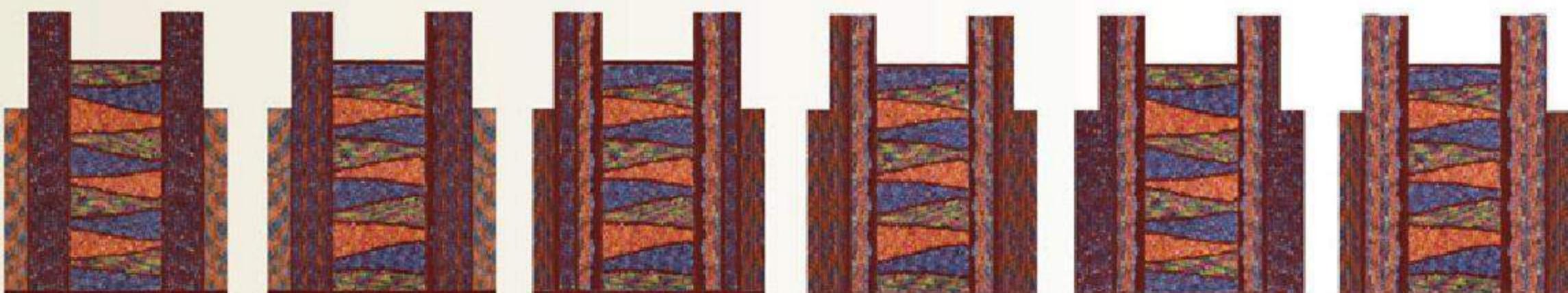
…explores options and decides on color placement.

WINDY
VALLEY
MUSKOX
THE LUXURY YARNS

Margin
by Karen Juliano

www.windyvalleymuskox.net

KARIN'S APPROACH

Since I was the official felter in the group, I was to felt my panels.

I had the benefit of being the owner of a yarn company with access to yarn and felting fiber, so I was able to choose my own colors. I didn't realize this was a benefit at the time, as I thought everybody was able to choose their own colors for the first panel, but apparently not!

I wanted my felted panels to match the yarn being used for the knit sides, so that the two would blend nicely. I decided to use one of Schoppel's beautiful merino rovings that coordinate with his whole line of pre-felted yarn, and the Zauberball line. This would leave lots of options on how to finish the sides of the panels.

I also would be using Artfelt® paper for the felting. Artfelt® is the newest method of felting that combines the best attributes of needle felting, wet felting, and fulling. Using this method, a felter can save hours in labor and create detailed designs that would be very hard to create with any other felting method.

For the first panel, I chose a colorway called 'Hot to Trot' that has red and hot pink in it and made a single felted panel to send off to one of my fellow presenters. I made it, assembled the matching yarns, and sent it on its way, then left on a trip I had scheduled.

When I returned home, the panel from another presenter had arrived. Even though I still needed to create a second panel for my own front, I worked on the panel that had been sent to me. For some reason, in my mind — I felt the need to create the entire piece — front panel, back panel, sides, and sleeves for my own design.

So I gave it a shot.

I had been felting with cashmere/silk blend fibers, and really liked how the soft felt caresses the body — it is so indulgent next to the skin—so I went that route for my panels. Using Schoppel Cashmere Queen Roving limited my color choices if I wanted it to coordinate with the pre-felted yarn from the line. I went with purple, sand, and cream. Not being exciting enough for my taste, I decided to add beads to make it truly special. So I felted strands of Schulana Kid-Seta Pearl — a kid mohair and silk blend with Murano beads strung throughout — into the center panel. I deliberately placed the colored roving to create verticality. The end result is more beautiful than I actually had anticipated, which gave me the energy and encouragement to actually get this piece finished...all parts! Fortunately the center panels only took a few hours to create using the Artfelt® method, so I still had the whole week ahead of me to knit. And knit. And knit.

How to make your own Artfelt® center panel
www.itsartfelt.com

Karin chooses her raw materials and colors…

…fiber is placed onto Artfelt® paper and secured with a few punches of a felting needle.

It is then sprayed with water and rolled up into a tube.

Throw into the dryer to become the Artfelt® panel.
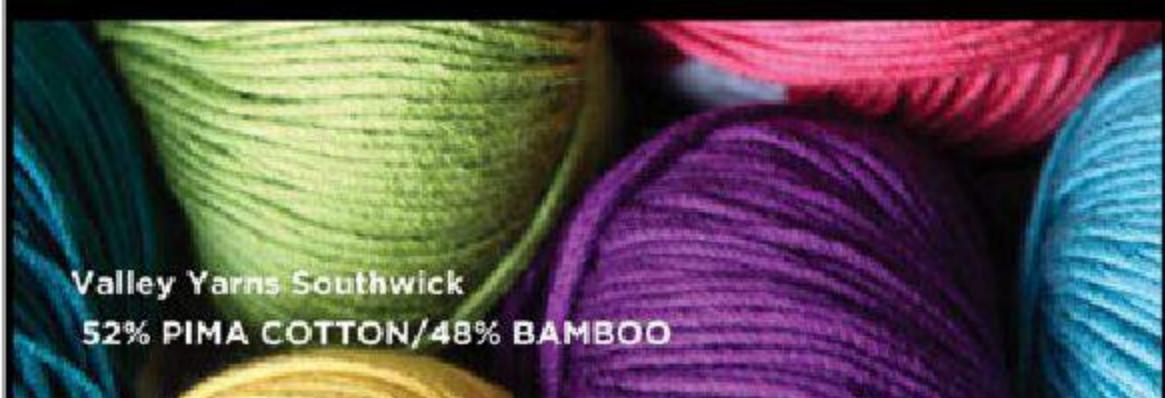
Short-row wedges come together for the center panels in this modular pullover. The sizing is worked within the sideways-knit outer panels of the front and back. Perfect!

designed by
Myra Wood

Incline/decline

Beginning Wedge

-4
-4
-8
6SR

Left Wedge

12 SR
-4
-4
-8
-4
-4
-8

Right Wedge

-4
-4
-8
-4
-4
-8
12 SR

Ending Wedge

-4
-4
-8
6SR
36 stitches

Stitch key
☐ Knit on RS, purl on WS
Wrap stitch and turn work (W&T)

Color key
☐ See Color Sequence
▨ B
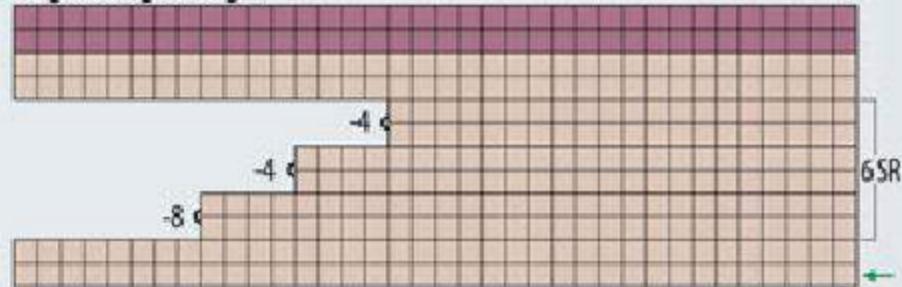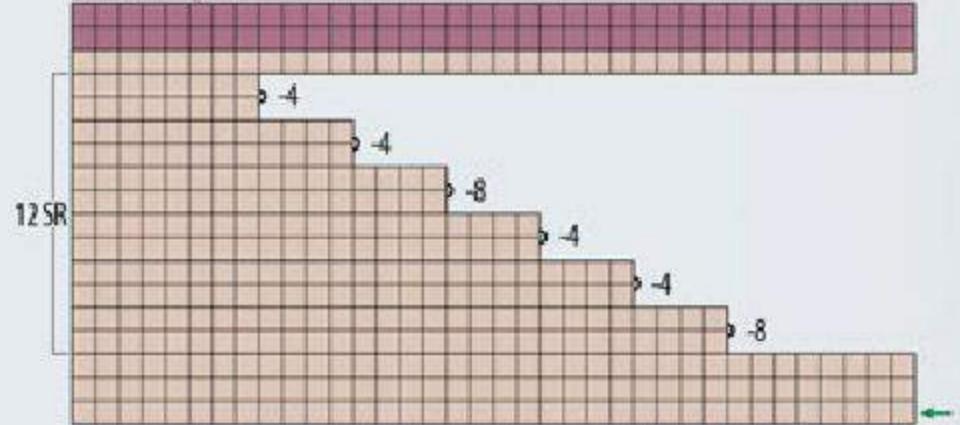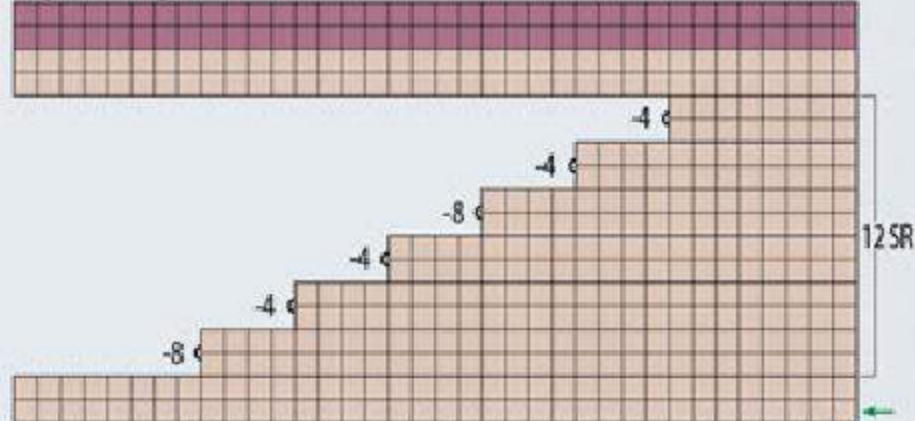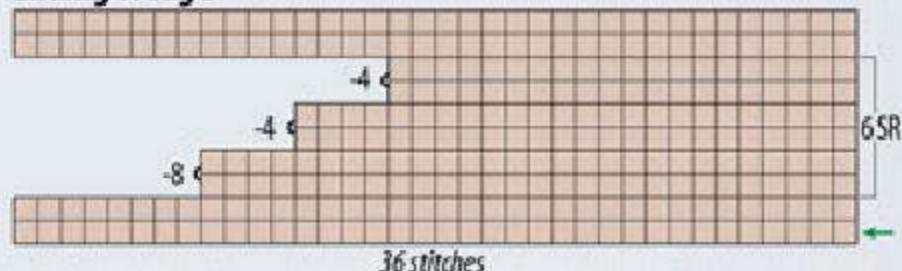
Front SR panel

Following Front SR Panel Color Sequence, work wedges as follows:

Beginning wedge With A and C held together, cast on 36. Work 2 rows in stockinette.

SR 1 and 2 Knit to last 8, wrap and turn (W&T); purl to end.

Next 2 SR pairs Knit to 4 before last wrap, W&T; purl to end.

Knit 1 row, hiding wraps. Purl 1 row, cut yarn.

Join B, work 2 rows in stockinette, cut yarn.

Left wedges Work 3 rows in stockinette.

SR 1 and 2 Purl to last 8, W&T; knit to end.

Next 5 SR pairs Purl to 4 before last wrap, W&T; knit to end.

Purl 1 row, hiding wraps. Cut yarn.

Join B, work 2 rows in stockinette, cut yarn.

Right wedges Work 2 rows in stockinette.

SR 1 and 2 Knit to last 8, W&T; purl to end.

Next 5 SR pairs Knit to 4 before last wrap, W&T; purl to end.

Knit 1 row, hiding wraps. Purl 1 row, cut yarn.

Join B, work 2 rows in stockinette, cut yarn.

Ending wedge Join D, work 2 rows in stockinette.

SR 1 and 2 Knit to last 8, W&T; purl to end.

Next 2 SR pairs Knit to 4 before last wrap, W&T; purl to end.

Knit 1 row, hiding wraps. Purl 1 row. Bind off. Block.

INTERMEDIATE

B | A
STANDARD FIT

S (M, L, 1X, 2X)
A 36 (40, 44, 48, 52)"
B 22 (22, 22½, 23, 23)"

10cm/4"
28
18
over stockinette stitch
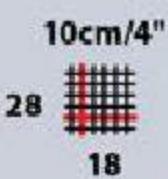
1 2 3 **4** 5 6
Medium weight
A 325 (335, 360, 385, 400) yds
B 180 (190, 200, 215, 225) yds
D 100 (105, 115, 125, 135) yds
E 60 (65, 70, 75, 80) yds
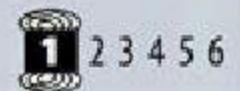
1 2 3 4 5 6
Super Fine weight
C 385 (400, 430, 460, 480) yds

4mm/US6, 60cm (24") or longer

4mm/G-6

NOTES
See *School*, page 74, for abbreviations and techniques.

Weave in ends as you knit.

Small: TRENDSETTER YARNS CinCin in colors 46 Grape Jelly (A), 44 Santa Fe (D), 50 Pumpkin Pie (E), Merino 8 in color 8772 Burnt Rust (B), and Luna in color Copper (C)

4"   8"

Back

6 (7, 7½, 8, 8)"

4½, 4½, 5, 5½, 5½)"

16 (15, 15, 15, 15)"   Front   17½"

18 (20, 22, 24, 26)"

← direction of knitting
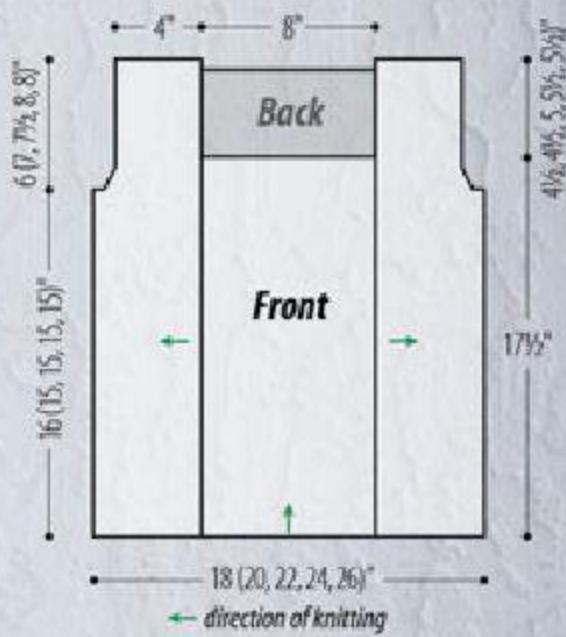
Color Sequence
Front SR Panel

17½"

End wedge
L wedge
R wedge
L wedge
R wedge
L wedge
R wedge
L wedge
R wedge
L wedge
Beg wedge

8"

Back SR Panel

21"

End wedge
L wedge
R wedge
L wedge
R wedge
L wedge
R wedge
L wedge
R wedge
L wedge
R wedge
L wedge
Beg wedge

8"
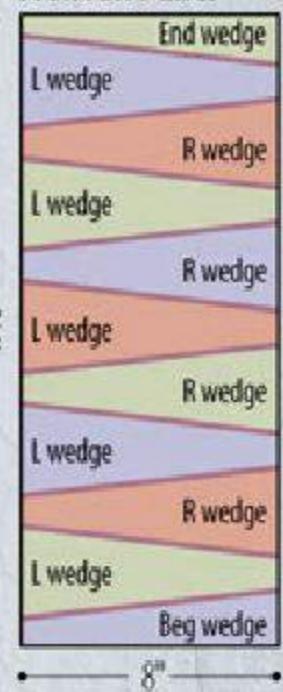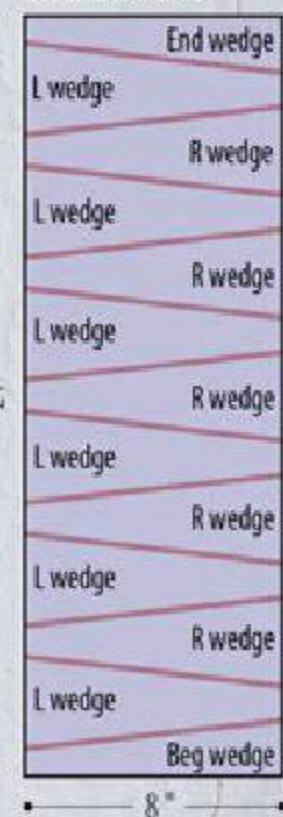
A and C held together
B
D
E and C held together

Incline/decline

DEC 1
At beginning of RS rows K1, SSK.
At end of RS rows K2tog, k1.

Front side panels
Left front panel Row 1 With RS facing and B, pick up and knit (PUK) 2 stitches for every 3 rows along right edge of front SR panel from cast-on to bind-off, then cast on **20 (20, 22, 24, 24)**.
Rows 2–4 Work 3 rows in stockinette, cut yarn.
Row 5 (RS) With A and C held together, knit to end of row. Slide stitches to right end of circular needle, do not turn, do not cut yarn.
Row 6 (RS) With D, knit to end of row, do not cut yarn, turn.
Row 7 (WS) With A and C, purl to end of row, slide stitches, do not turn.
Row 8 (WS) With D, purl to end of row, turn.
Row 9 (RS) Cut A, join E and, with C and E held together, knit to end of row. Slide stitches.
Row 10 (RS) With D, knit.
Row 11 (WS) With C and E, purl to end of row. Slide stitches.
Row 12 (WS) With D, purl.
Row 13 (RS) Cut E, join A and, with A and C held together, knit to end of row. Slide stitches.
Row 14 (RS) With D, knit.
Row 15 (WS) With A and C, purl to end of row. Slide stitches.
Row 16 (WS) With D, purl to end of row. Cut all yarns.
Rows 17-20 With B, work 4 rows in stockinette.
Row 21 (RS) With A and C held together, knit to end of row. Slide stitches.
Row 22 (RS) With B, knit.
Row 23 (WS) With A and C, purl to end of row. Slide stitches.
Row 24 (WS) With B, purl.
Repeat Rows 21–24 once more AND on Row 24, bind off 28, purl to end of row.
Repeat Rows 21–24 **2 (4, 5, 7, 9)** more times and AT SAME TIME, Dec 1 at end of every RS row **0 (4, 6, 8, 8)** times.
Place stitches on hold. Block.
Right front panel Work as for left front panel EXCEPT cast on **20 (20, 22, 24, 24)**, then PUK the same number of stitches as for left front panel along left edge of front SR panel from bind-off to cast-on AND bind off and decrease for armhole at beginning of RS rows.
Place stitches on hold. Block.

Back SR panel
With A and C held together, cast on 36. Work wedges as for Front SR Panel, following Back SR Panel Color Sequence.
Block.

Back side panels
Right back panel Work as for left front panel EXCEPT pick up along back SR panel AND cast on **4 (4, 6, 9, 9)**.
Left back panel Work as for right front panel EXCEPT cast on **4 (4, 6, 9, 9)** AND pick up along back SR panel.

Finishing
Sew shoulders. With RS together, join sides using 3-needle bind-off.
Neck band and arm bands With B, work 1 round of single crochet (sc) around neck and armhole edges.
Bottom band With B, work 1 round of sc around bottom edge, then work 1 round of half double crochet. Fasten off. ∩

Crochet Wise

Single crochet (sc)
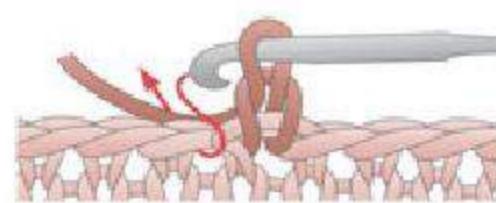
1 Insert hook into a stitch, catch yarn and pull up a loop. Catch yarn and pull through the loop on the hook.
2 Insert hook into next stitch to the left.
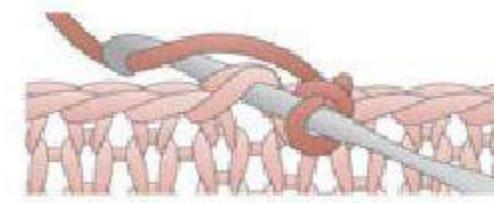
3 Catch yarn and pull through the stitch; 2 loops on hook.
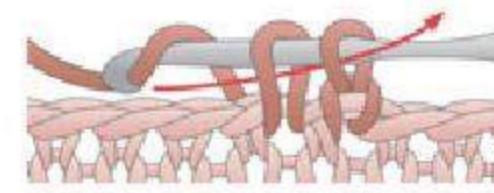
4 Catch yarn and pull through both loops on hook; 1 single crochet completed. Repeat Steps 2–4.

Half double crochet (hdc)
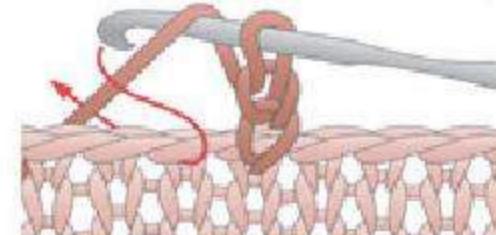
1 Insert hook into a stitch, catch yarn, and pull up a loop. Chain 2 (counts as first half double crochet).
2 Yarn over, insert hook into next stitch to the left (as shown). Catch yarn and pull through stitch only; 3 loops on hook.
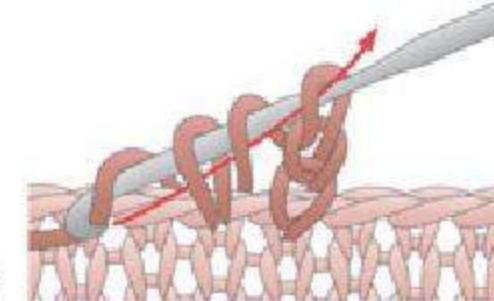
3 Catch yarn and pull through all 3 loops on hook; 1 half double crochet complete. Repeat Steps 2–3.

This mixed-media top—Artfelt® and knitting—begins with a center panel made with Skacel's Artfelt® paper and roving, then joins knit side panels with short-row hip gussets and light-as-air sleeves.

designed by
Karin Skacel
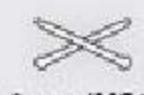
Grape inspiration

DEC 1
At beginning of RS rows Sl 1, k1, k2tog.
At end RS rows SSK, k2.

Knit Wise

Crochet cast-on
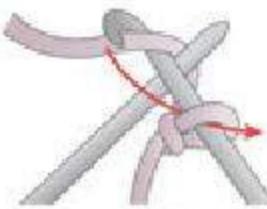
1 Leaving a short tail, make a slipknot on crochet hook. Hold hook in right hand; in left hand, hold knitting needle on top of yarn and behind hook. With hook to left of yarn, bring yarn through loop on hook; yarn goes over top of needle, forming a stitch.
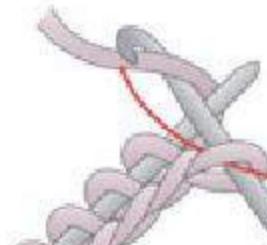
2 Bring yarn under point of needle and hook yarn through loop, forming next stitch.
Repeat Step 2 until 1 stitch remains to cast on. Slip loop from hook to needle for last stitch.

Side panels *MAKE 2*
Slip stitches purlwise with yarn in front.
Shoulder
Row 1 With A and crochet hook, cast on 101 (103, **105**, 108, **110**) using crochet cast-on. **Row 2** (WS) Sl 1, knit stitches through the back loop (tbl) to last stitch, k1. **Rows 3 and 4** Sl 1, knit to end. **Rows 5 and 6** With B, sl 1, knit to end. With 1 strand of C and D held together, work 20 (26, **30**, 36, **40**) rows as established. Cut C and D. With B, work 2 rows. Cut B. With A, work 4 rows. **Next row** (RS) Bind off 36 (38, **40**, 43, **45**), knit to end—65 stitches.
Underarm and gusset
Work 0 (4, **10**, 14, **20**) rows even.
Each WS row includes a pair of short rows to create a stockinette gusset.
Row 1 (WS) Sl 1, p10, wrap and turn (W&T); knit to end, turn; sl 1, purl to wrap, p2, hiding wrap, place marker (pm), knit to end—1 edge stitch each edge, 12 stockinette stitches, and 51 garter stitches. **Row 2** (RS) Sl 1, knit to end.
Row 3 Sl 1, purl to marker, remove marker (rm), p3, W&T; knit to end, turn; sl 1, purl to wrap, p2, hiding wrap, pm, knit to end.
Rows 4–13 Repeat last 2 rows 5 more times—1 edge stitch each edge, 42 stockinette stitches, and 21 garter stitches.
Row 14 (RS) Sl 1, knit to marker, rm, k5, pm, knit to end.
Row 15 Sl 1, purl to 3 past marker, W&T; knit to end, turn; sl 1, purl to marker, knit to end, hiding wrap—1 edge stitch each edge, 37 stockinette stitches, and 26 garter stitches.
Row 16 (RS) Sl 1, knit to marker, rm, k5, pm, knit to end.
Rows 17-26 Repeat last 2 rows 5 more times.
Row 27 (WS) Sl 1, purl to marker, rm, p3, W&T; knit to end, turn; sl 1, purl to wrap, knit to end, hiding wrap—1 edge stitch each edge, 10 stockinette stitches, and 53 garter stitches.
Slipping the first stitch of every row, work 0 (4, **10**, 14, **20**) rows even in garter stitch, end with a WS row.
Shoulder
Cast on 36 (38, **40**, 43, **45**)—101 (103, **105**, 108, **110**) stitches.
Rows 1–4 Sl 1, knit to end. With B, work 2 rows. With 1 strand of C and D held together, work 20 (26, **30**, 36, **40**) rows. Cut C and D. With B, work 2 rows. Cut B. With A, work 4 rows. Bind off.
Sleeves
With RS together, sew shoulders using slip-stitch crochet.
The sleeves are picked up from the armhole bind-off and cast-on and worked to the cuff using interchangeable needles: one 3.5mm/US4 tip, the one 6mm/US10 tip, and a 24" cable.
With WS facing, the 3.5mm/US4 tip, 1 strand of D and E held together, and beginning at the underarm corner of the armhole, pick up and knit into the center of

Small: SKACEL COLLECTION Schoppel Cashmere Queen in colors 2965 Purple (A), 7181 Chestnut (B), and 7130 Beige (C); Schulana Kid Seta Pearl in color 662 Glittering Sand (D); Schulana Kid Seta in 62 Sand (E)

Grape inspiration

(continued from page 30)

each bound-off and cast-on stitch along armhole edge AND 1 stitch in the shoulder seam —73 (77, 81, 87, 91) stitches. *Next row* (RS) With 6mm/US10 tip, sl 1, knit to end. *Next row* (WS) With 3.5mm/US4 tip, repeat last row. Repeat last 2 rows 3 (4, 5, 6, 7) more times. Dec 1 each side every RS row 10 times, end with a WS row—53 (57, 61, 67, 71) stitches. Work even until sleeve measures 9½ (10, 10½, 11, 11½)" from pick-up row, end with a WS row.

Ribbing

Use only 3.5mm/US4 tips AND slip stitches with yarn in front.
Set-up row (RS) With A, sl 1, [k1, p1] to last 2, k2.
Row 1 Sl 1, [p1, sl 1] to last 2, p1, k1.
Row 2 With B, sl 1, [sl 1, p1] to last 2, sl 1, k1.
Row 3 Sl 1, [sl 1, k1] to end.
Row 4 With A, sl 1, [k1, sl 1] to last 2, k2.
Repeat Rows 1–4 once more. With A, bind off in rib. Sew straight portion of each side of sleeves to half of underarm. Sew sleeve seams.

Finishing

Gusset edging

With crochet hook and A, begin at hem and work chain stitch along purl ridge closest to the stockinette triangle, shifting along each ridge to the tip, then down the opposite edge and fasten off.

Sew the knit panels to the Artfelt® panels as follows: Place WS of knit panel on top of RS of felted panel, overlapping edges by ½". With yarn and a sharp tapestry needle, stitch through each garter ridge and the felt layer. On the inside turn a small hem along the join and baste down with needle and thread to hide the join. ∩
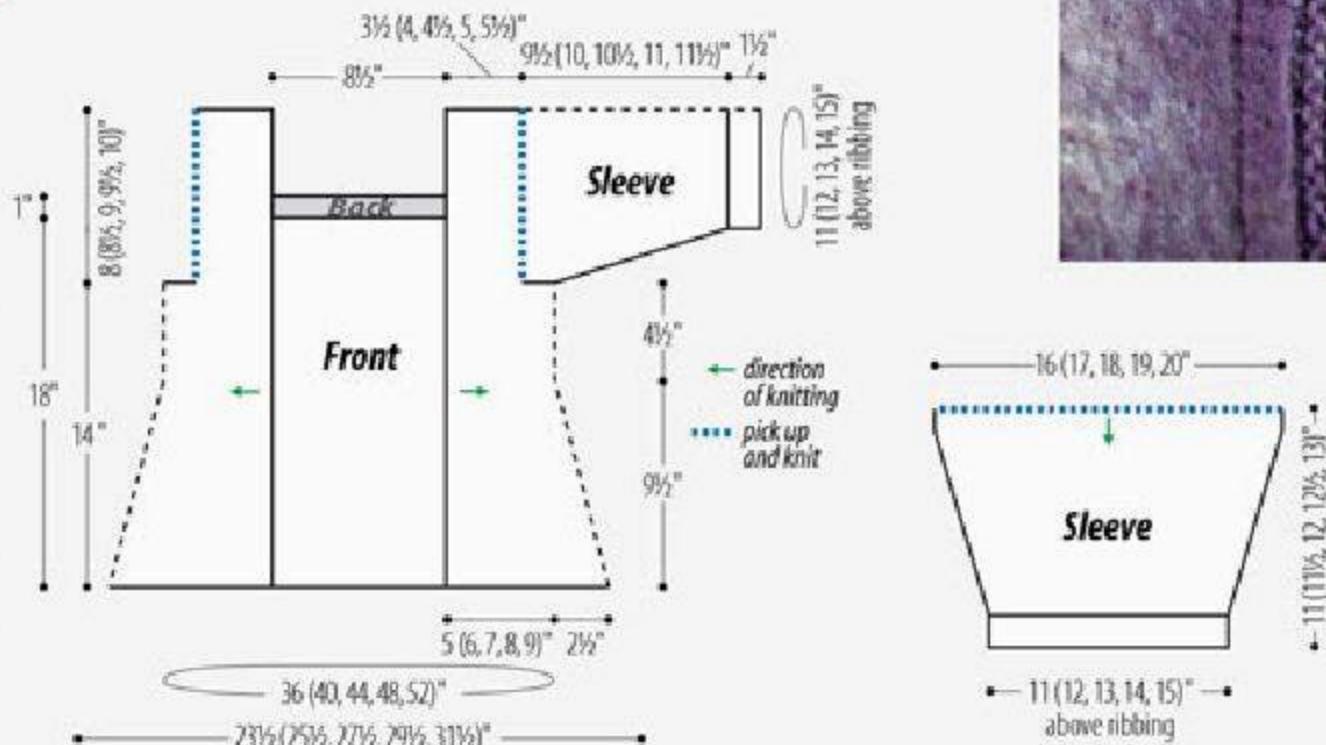
Machu Picchu, Peru
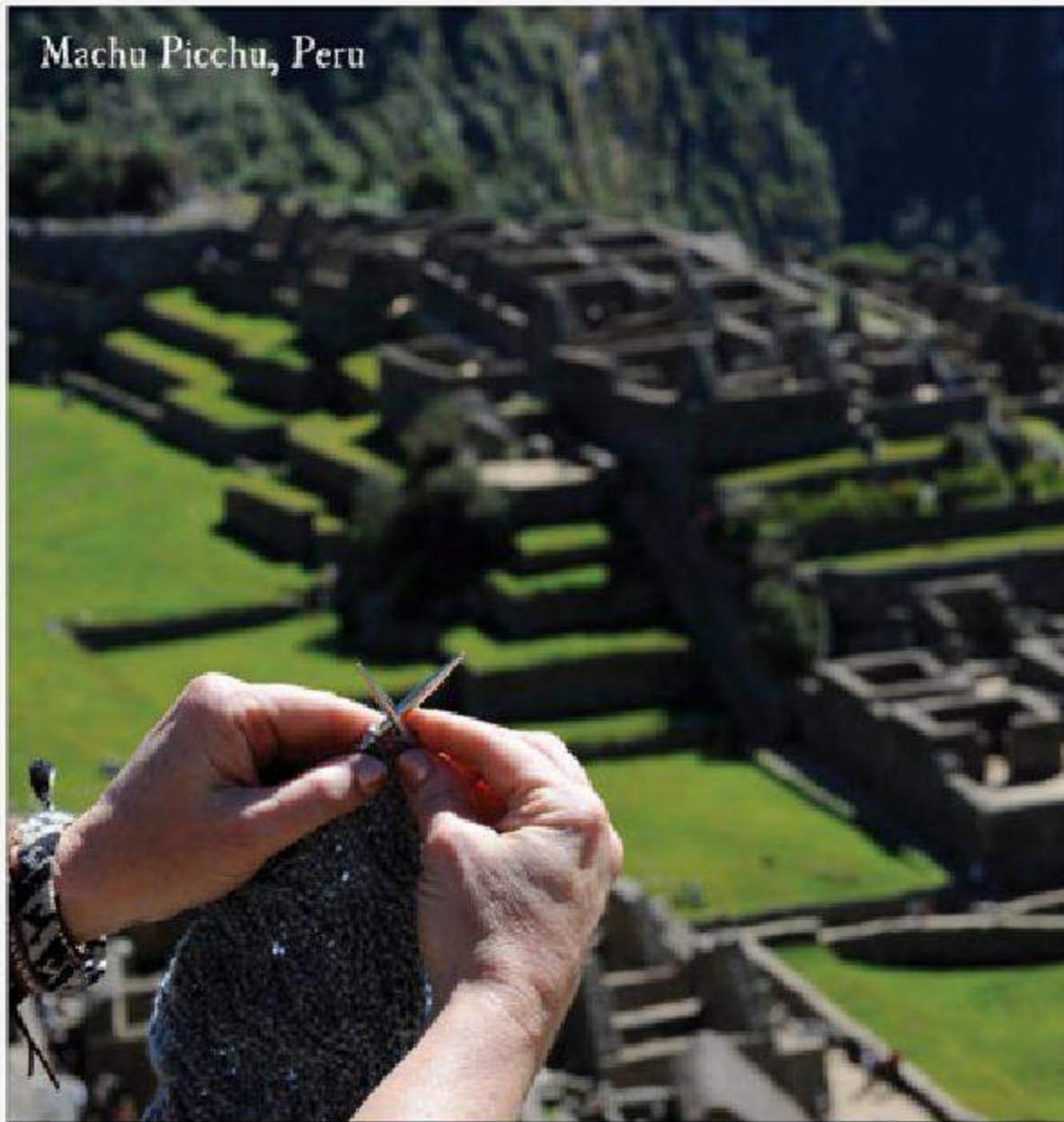
Isle of Skye, Scotland
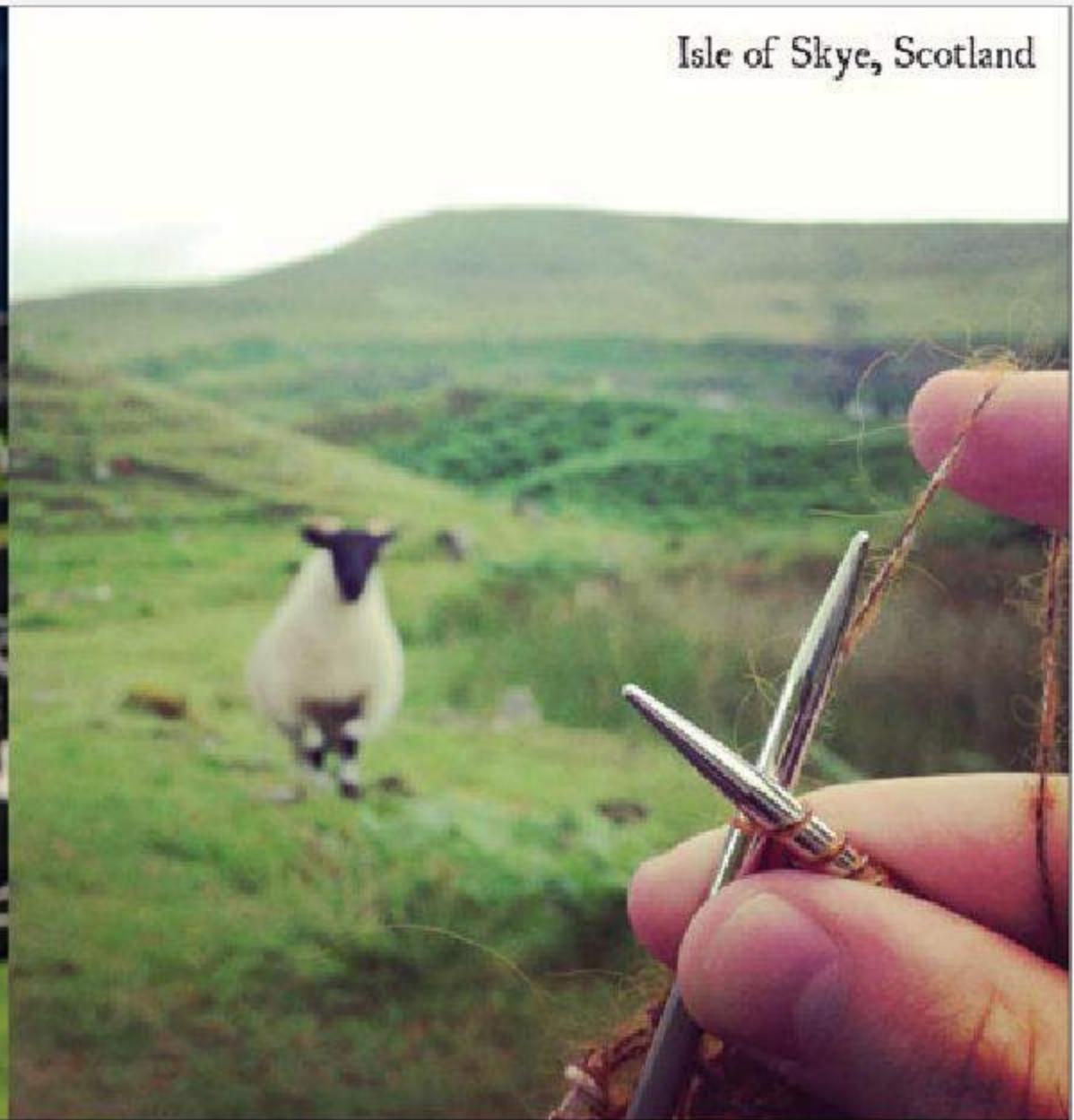
PANEL, panel: Take 1

Once the middle panel was complete, I began designing the sides. I had used the yarn with beads in the panel, so I thought I could carry them throughout the piece. My intention was to work them along with the cream stripes while knitting the sides, then use the yarn double stranded in an open-stitch pattern—not lace, but a very loose stockinette for the sleeves.

First off, when in a rush, don't reinvent the wheel. Garter stitch, one of my favorite stitches—is fast, and I like to get things done quickly—would be my stitch of choice. Working from the center panel out, I could add visually pleasing stripes and perhaps, on the sides, use short rows to break up the panels and add a little flare to the bottom of the piece.

I know darker colors don't throw as many shadows, thus they are more slimming, so I thought I would use the dark purple on the sides of the body, but my center panel had the dark purple towards the outside. Hmmm…should have planned better. So I started with the dark purple for a few rows, switched to the sand, then the cream with the beads mixed in, then back to sand, then back to the dark purple. Being a little lazy, I decided not to create an additional panel, but to work around the side to the back. Myra was so encouraging in her book—to be creative and think outside the box, that I thought this would be perfect. I worked short rows between the front side and the back side panels to create some flare.

But when I bound off after completing the back side, I realized the short-row section was way too stiff. The garter stitch created mini wings at the hips—quite the opposite of what I had wanted—even after blocking! So I tore back and replaced the garter short rows with stockinette. This evened out the piece, but put me behind schedule.

After completing one side to suit me, the other side was a breeze. For me, garter stitch and cashmere are a dream combo come true—no real thinking involved while I knit, and the cashmere runs through the fingers like butter.

I was feeling awesome! All I had to do was attach the sides and knit the sleeves. In my eyes, the sleeves would be a breeze. But attaching the sides to the felt was not.

I am very particular about how my pieces look on the inside. The biggest compliment I can get is wearing a sweater inside out and everyone taking half a day to notice that it *is* inside out. So it took quite a few tries to get the join just where I wanted it—seamless on the outside, very nice (not perfect, though) on the inside.

On Day 6, when ASKED for the piece—I responded that I was going to push the deadline to the limit…and so I did. Sadly, my sleeves were not looking as they should so I ended up sending the piece—front, back, and sides all done, but sleeveless.

But the experience did not end sadly. Stitches Midwest was a blast with Jenny, Judith, and Myra on stage—I seldom get to do such creative things!

I recommend Myra's book to everyone—it instills the creative aspect of knitting, crocheting, weaving, felting—any kind of fiber arts—into a person. It's ok to try something new…

…and by the way, I did finish the sleeves for the issue!

Each side panel is created in one piece, including a hip gusset, eliminating side seams (a crochet ridge will define the edges of the gusset).

swatches and samples, then makes decisions…
…creates her felt panel and side panels (see page 24)…

…then is ready to assemble them.

Harmonic
blends

Lace panels outline strategic shaping in the center front of a summer tee. This sleek option offers great fit as the decorative panels flow along the curves of the body.

designed by
Gayle Roehm

Refracting diamonds

DEC ROUND
[Work to 2 before shaping marker, k2tog, slip marker, SSK] twice, work to end—4 stitches decreased.

INC ROUND
[Work to 1 before shaping marker, R Inc, k1, slip marker, k1, L Inc] twice, work to end—4 stitches increased.

INC 1
At beginning of RS rows K1, M1.
At end of RS rows M1, k1.

EYELET PATTERN *MULTIPLE OF 2*
Round 1 Purl.
Round 2 [Yo, k2tog] to end.
Round 3 Purl.

Chart

13 stitches

Stitch key
☐ Knit on RS, purl on WS
▨ Purl on RS, knit on WS
◉ Yarn over (yo)
◿ K2tog
◺ SSK
▧ Sl 1-k2tog-psso (SK2P)

Knit Wise

Lifted increase

R Inc
Knit into right loop of stitch in row below stitch on left needle. A *right* increase.

L Inc
Knit into left loop of stitch 2 rows below stitch on right needle. A *left* increase.

Body
Beginning-of-round marker becomes marker for left side edge.
With longer needle, loosely cast on **152** (172, **188**, 208, **224**, 244). Place marker (pm) and join to work in the round, being careful not to twist stitches. Work Rounds 1 and 2 of Eyelet Pattern. *Next round: Set-up round* P76 (86, 94, 104, 112, 122), pm for right side edge, purl to end. *Begin Chart: Round 1* [K8 (11, 15, 18, 22, 27), **work Chart over 13 stitches**, k34 (38, 38, 42, 42, 42), **work Chart over 13 stitches, knit to marker**] twice. Continue in stockinette and chart as established until piece measures 2".
Shape waist
[K8 (11, 15, 18, 22, 27), **work Chart**, k15 (17, 17, 19, 19, 19), k2tog, pm for shaping marker, SSK, k15 (17, 17, 19, 19, 19), **work Chart, knit to marker**] twice. [**Work 7 rounds even; work Dec Round**] 5 times—**128** (148, **164**, 184, **200**, 220) stitches; 64 (74, 82, 92, 100, 110) stitches each front and back; 22 (26, 26, 30, 30, 30) stitches each center panel. Work even until piece measures 10". Work Inc Round, [**work 15 rounds even; work Inc Round**] 3 times—**144** (164, **180**, 200, **216**, 236) stitches; 72 (82, 90, 100, 108, 118) stitches each front and back; 30 (34, 34, 38, 38, 38) stitches each center panel. Work even until piece measures 18".
Divide for back and front
Work to right side marker. Place next **72** (82, **90**, 100, **108**, 118) stitches on hold for back.

Front
Shape sleeves
Next row (WS) Cast on 4 using a purl cast-on, work to end—76 (86, 94, 104, 112, 122) stitches. *Next row* Cast on 4 using a knit cast-on, work to end—80 (90, 98, 108, 116, 126) stitches; 12 (15, 19, 22, 26, 31) stitches each side/sleeve panel. Work even until piece measures 1" above sleeve cast-on, end with a WS row.
Shape cap
[**Inc 1 each side of next row; work 7 rows even**] 4 times—88 (98, 106, 116, 124, 134) stitches; 16 (19, 23, 26, 30, 35) stitches each side/sleeve panel. Work even until armhole measures 7 (7, 8, 8, 8, 8)", end with a WS row.
Shape left neck and shoulder
Next row (RS) K16 (19, 23, 26, 30, 35), work chart, k10 stitches of center panel, place next **10** (14, **14**, 18, **18**, 18) stitches on hold for front neck, place remaining 39 (42, 46, 49, 53, 58) stitches on hold for right neck and shoulder, noting last chart row—39 (42, 46, 49, 53, 58) left neck and shoulder stitches remain. *Begin short rows: SR 1 and 2* Bind off 3, work to last 2, wrap and turn (W&T); work to end. *SR 3–6* [Bind off 2, work to 3 before last wrapped stitch, W&T; work to end] twice. *SR 7–12* [Bind off 1, work to 3 before last wrapped stitch, W&T; work to end] 3 times. *Next row* (WS) Knit across all stitches, hiding wraps using k2tog tbl—29 (32, 36, 39, 43, 48) stitches. *Eyelet row* (RS) K1, [**yo, k2tog**] to last 0 (1, 1, 0, 0, 1), k0 (1, 1, 0, 0, 1). Knit 1 row. Place stitches on hold.

6½ (7, 8, 8½, 9½, 10½)"   6½ (7½, 7½, 8½, 8½, 8½)"

2½"

Back

7½ (7½, 7½, 8¼, 8½, 8½)"

Front

18"

32 (36½, 40, 44½, 48, 52½)" underarm

28½ (33, 36½, 41, 44½, 49)" waist

34 (38, 42, 46, 50, 54)" hip

This cardigan is elegant and refined thanks to the understated yarn and classic ripple-stitch pattern. A visual break is created by adding a pattern shift at the waistline and cuff for a modern layer that acts more like a jacket than a cardigan.

designed by Kathy Zimmerman

Ripple effects

INC 1
At beginning of RS rows K1, M1.
At end of RS rows M1, K1.

3-ROW BUTTONHOLE
Row 1 (RS) K4, yo twice, k2tog, knit to end.
Row 2 Knit, dropping 2nd yo.
*Row 3* Knit, knitting into yo space.

Chart 1

10-st repeat
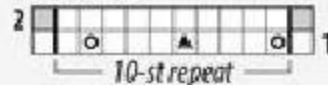
CHART 1 MULTIPLE OF 10 + 2
Row 1 (RS) K1, [yo, k3, S2KP2, k3, yo, k1] to last stitch, k1.
Row 2 K1, purl to last stitch, k1.

Chart 2

10-st repeat
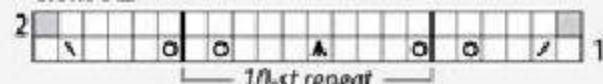
CHART 2 MULTIPLE OF 10 + 2
Row 1 (RS) K1, k2tog, k2, yo, k1, [yo, k3, S2KP2, k3, yo, k1] to last 6, yo, k3, SSK, k1.
Row 2 K1, purl to last stitch, k1.

Stitch key
☐ Knit on RS, purl on WS
☐ Purl on RS, knit on WS
☑ Yarn over (yo)
☑ K2tog
☑ SSK
▲ Sl 2, k1, p2sso (S2KP2)

Body
With larger needle, cast on **242** (**262, 282, 302, 322, 342**). Knit 8 rows. *Next 15 rows* Work Chart 1, end with Row 1. *Next row* (WS) Knit. Work Chart 2 until piece measures **14** (14, **14, 14½, 14½, 14½**)", end with a WS row.
Divide for back and fronts
Work **42** (45, **47, 49, 53, 55**) and place on hold for right front, bind off **33** (**39, 45, 51, 54, 60**) for armhole, work until there are **92** (94, **98, 102, 108, 112**) stitches on right needle for back, place remaining **75** (84, **92, 100, 107, 115**) stitches on hold for armhole and left front.

Back
Work even until armhole measures **7½** (8, **8½, 9, 9½, 10**)", end with a WS row.
Shape shoulders
At beginning of every row, bind off **9** (9, **9, 9, 10, 12**) twice, then **8** (8, **9, 10, 10, 10**) four times. Bind off remaining stitches.

Left Front
Join yarn for next row at armhole edge. *Next row* (RS) Bind off **33** (**39, 45, 51, 54, 60**) for armhole, work to end —**42** (45, **47, 49, 53, 55**) stitches. Work in pattern until armhole measures **5½** (6, **6½, 7, 7½, 8**)", end with a RS row.
Shape neck
At beginning of every WS row, bind off **6** (7, **7, 7, 8, 8**) once, 3 stitches **1** (2, **2, 2, 3, 3**) times, 2 stitches 3 times, then 1 stitch **2** (1, **1, 1, 0, 0**) times —**25** (25, **27, 29, 30, 32**) stitches. Work even until armhole measures same as back to shoulder, end with a WS row.
Shape shoulder
Shape shoulder at beginning of RS rows as for back.

Right Front
Join yarn at armhole edge. Work in pattern until armhole measures same as left front to beginning of neck shaping, end with a WS row.
Shape neck
Work as for left front EXCEPT reverse shaping. Shape neck at beginning of RS rows. Shape shoulder at beginning of WS rows.

Sleeves
With smaller needle, cast on **62** (62, **72, 72, 82, 82**). Knit 8 rows. Change to larger needle. *Next 15 rows* Work Chart 1, end with Row 1. *Next row* (WS) Knit. Work Chart 2 and AT SAME TIME, Inc 1 each side every RS row **8** (15, **10, 16, 13, 19**) times, then every 4 rows **10** (6, **9, 6, 8, 5**) times; after every 10 increase rows, work 1 additional 10-stitch repeat at each edge —**98** (104, **110, 116, 124, 130**) stitches. Work even until piece measures **13½** (13½, **14, 14, 14½, 14½**)", end with a WS row. Mark each side of last row for sleeve cap. Work even until piece measures **16** (16½, **17½, 18, 18½, 19**)". Bind off.
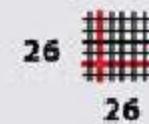
NOTES
See *School,* page 74, for abbreviations and techniques.

Cardigan is worked in one piece to underarm, then divided and fronts and back are worked separately.

When working shaping, if there are not enough stitches to complete a repeat, work those stitches in stockinette stitch instead.

Neither the evening chill nor air conditioning can threaten your comfort level with this lovely shawl around your shoulders. The traditional shape is achieved in a modular way—a center strip and triangle wings offer a logical and fun exercise.

designed by
Lisa Jacobs

Blueprint wrap
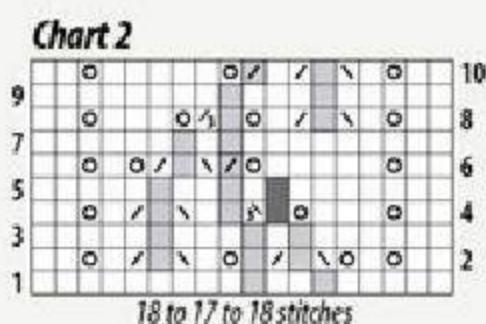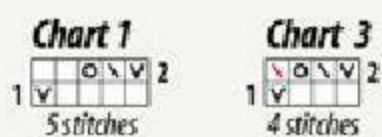
Chart 1

Chart 3

5 stitches

4 stitches

Chart 2

18 to 17 to 18 stitches

Stitch key

- ☐ Knit on RS, purl on WS
- ☐ Purl on RS, knit on WS
- ☑ Yarn over (yo)
- ☑ K2tog
- ☑ P2tog
- ☒ K2tog through the back loop (k2tog tbl)
- ☑ K3tog
- ☒ K3tog through the back loop (k3tog tbl)
- ☒ SSK
- ☒ SSK join
- ☑ Sl 1 purlwise with yarn at WS of work
- ■ Stitches do not exist in these areas of chart

Center panel

Section 1 With waste yarn and using a temporary cast-on, cast on 5. Change to MC and purl 5. Work Row 2 of Chart 1. Work Rows 1 and 2 of Chart 1 eighteen times. Place stitches on hold. Do not cut yarn.

Section 2 With RS facing and attached yarn, pick up and knit (PUK) 18 along left edge of Section 1. Work Rows 1–10 of Chart 2 eleven times, then work Row 1. Leave stitches on needle. Cut yarn.

Section 3 With waste yarn and using a temporary cast-on, cast on 4 and place on left needle with Section 2 stitches. Change to MC and work Rows 1 and 2 of Chart 3 eighteen times, then work Row 1, working SSK join at end of RS rows to join last Section 3 stitch to a Section 2 stitch—4 stitches. Leave stitches on needle.

CENTER PANEL OVERVIEW

1 Cast on 5, work Chart 1, and place stitches on hold.

2 Pick up stitches along left edge and work Chart 2 for length of shawl, end with a WS row.

3 Cast on 4 and work Chart 3, joining to Section 2 at end of every RS row.

→ direction of knitting
— cast on
— bind off
•••• pick up and knit
∿∿∿ SSK join
⊓⊓⊓ live stitches
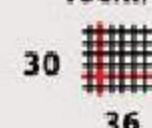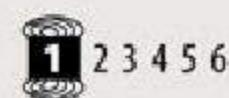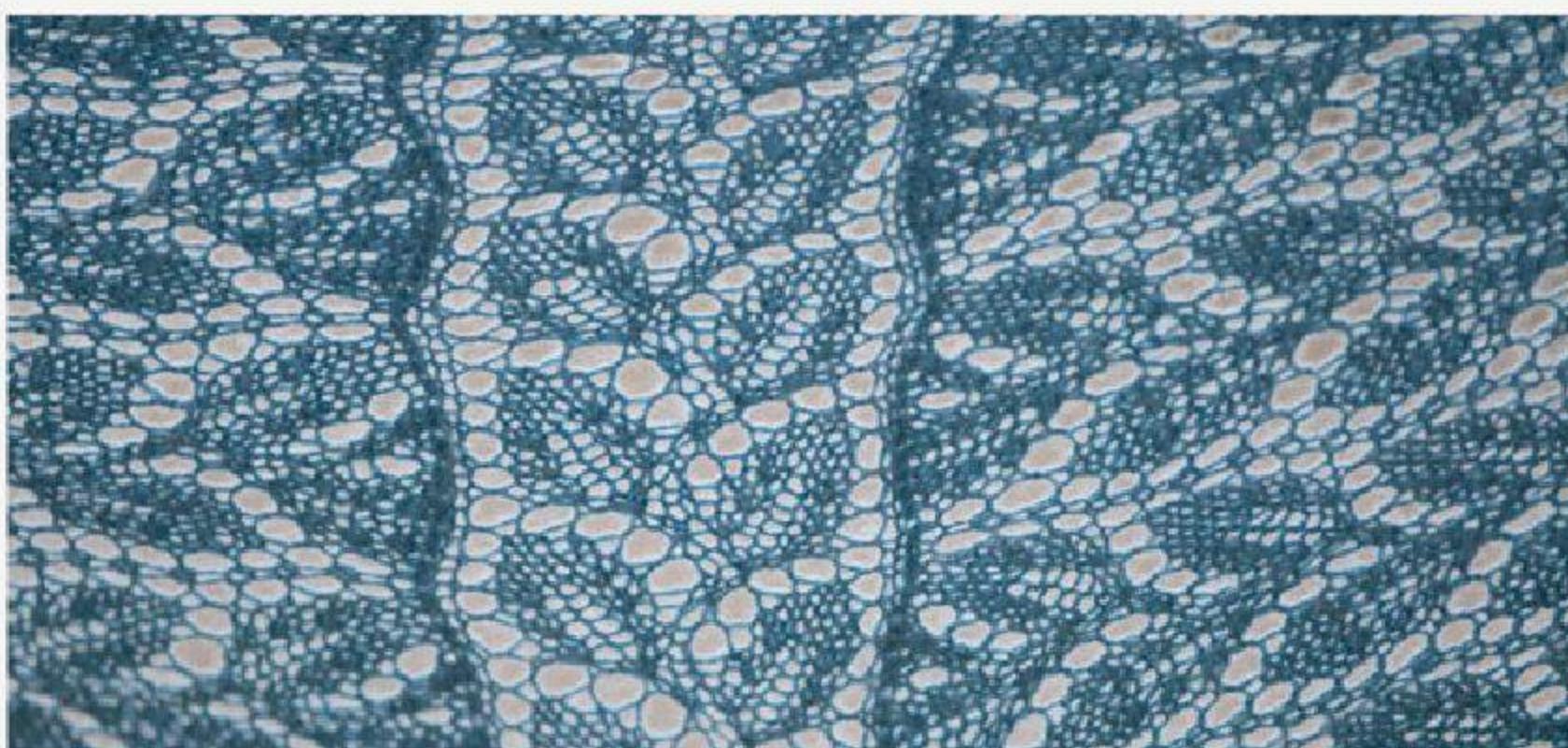
WINDY VALLEY MUSKOX
Majestic Blend in color
5039 Borealis Basin

Left Side

30-row repeat

7

6
6
6
6
6
6
6

27½"

6 5 5 5 [↑]5 5 5 5 4

1   2   3
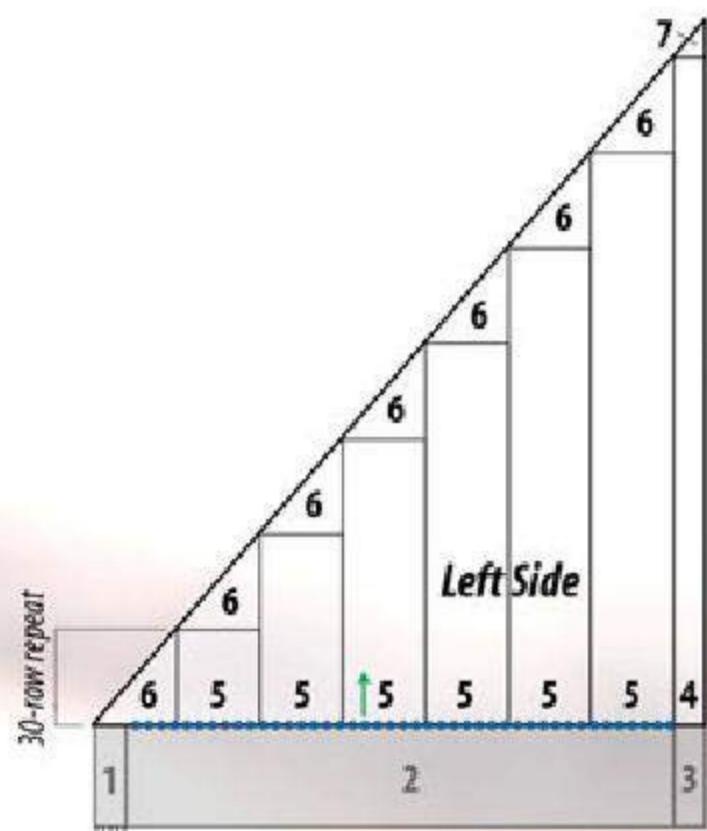
LEFT SIDE OVERVIEW

Work Section 3 stitches, pick up stitch-
es along edge of Section 2, then work
Section 1 cast-on stitches. Work charts in
order shown. Every 30 rows, 15 stitches are
decreased, eliminating one 15-stitch repeat
of Chart 5.

Chart 6

20 to 5 stitches

Chart 5

15-stitch repeat

Chart 7

8 to 1 stitches
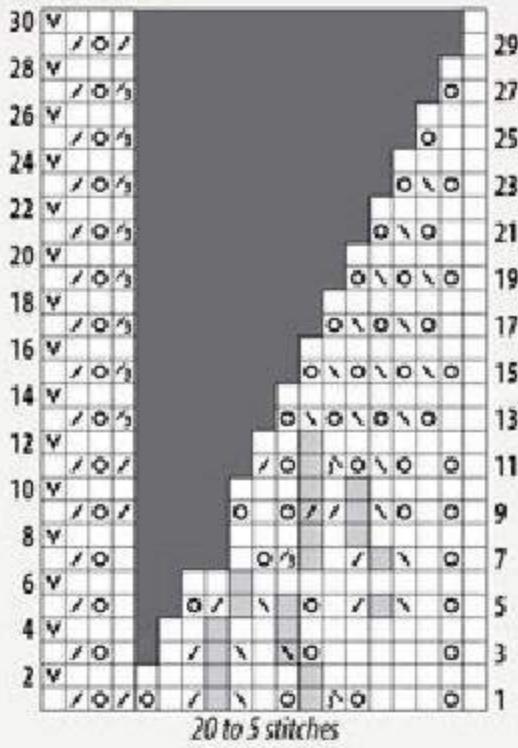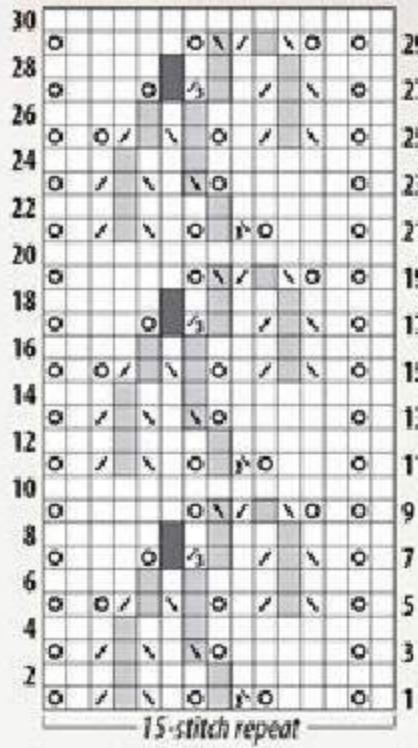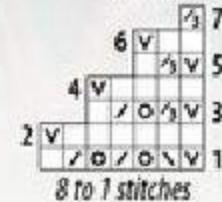
Chart 4

3 stitches

Left side

With RS facing, sl 1, SSK, yo, k1, then PUK 104 along left edge
of Section 2; remove waste yarn from Section 1 temporary
cast-on and place 5 cast-on stitches on left needle; k2, yo,
k2tog, k1 — 113 stitches. *Next row* (WS) Sl 1, purl to end.
Begin charts: Row 1 (RS) Work Chart 4, place marker (pm),
[work Chart 5, pm] 6 times, work Chart 6 — 112 stitches (1
stitch decreased). Continue as established through Row 30
of Chart 6 — 98 stitches. *Next row* (RS) **[Beginning with
Row 1 of charts, work to last 20 stitches (second marker
from end), slip marker, then work Chart 6, removing
last marker. Continue as established through Row 30 of
Chart 6]** 6 times — 8 stitches. Work Rows 1–7 of Chart 7 — 1
stitch remains. Cut yarn and fasten off.
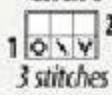
Blueprint wrap

Right side

With RS facing, place 5 held stitches from Section 1 onto left needle. Join yarn and sl 1, SSK, yo, k2, then PUK 104 along right edge of Section 2; remove waste yarn from Section 3 temporary cast-on and place 4 stitches on left needle; k1, yo, k2tog, k1 — 113 stitches. *Next row* (WS) Sl 1, purl to end. *Set-up row* (RS) Work Chart 8, pm, [**work Chart 9, pm**] 6 times, work Chart 10 — 112 stitches (1 stitch decreased). Continue as established through Row 30 of Chart 8 — 98 stitches. *Next row* (RS) [**Work Row 1 of Chart 8, removing first marker, work as established to end. Continue as established through Row 30 of Chart 8**] 6 times — 8 stitches. Work Rows 1–7 of Chart 11 — 1 stitch remains. Cut yarn and fasten off.

Finishing

Block.

Chart 11

8 to 1 stitches

Chart 10

3 stitches

Chart 9

15-stitch repeat

Chart 8

20 to 5 stitches
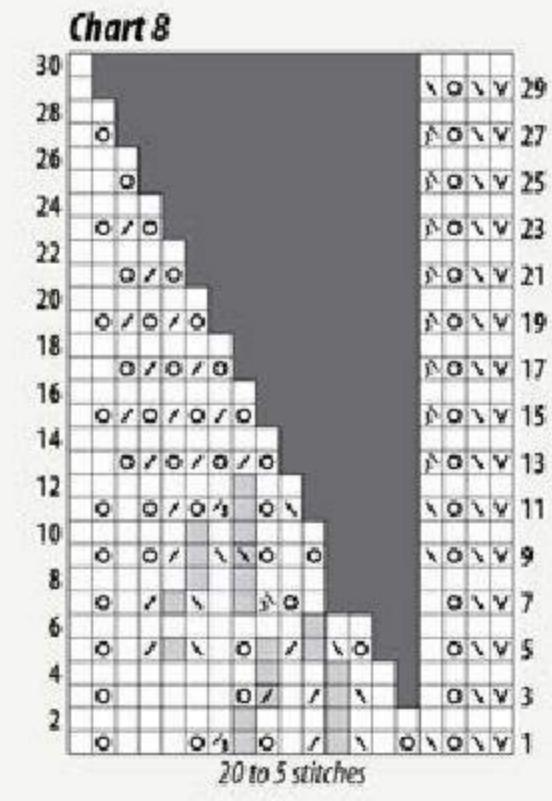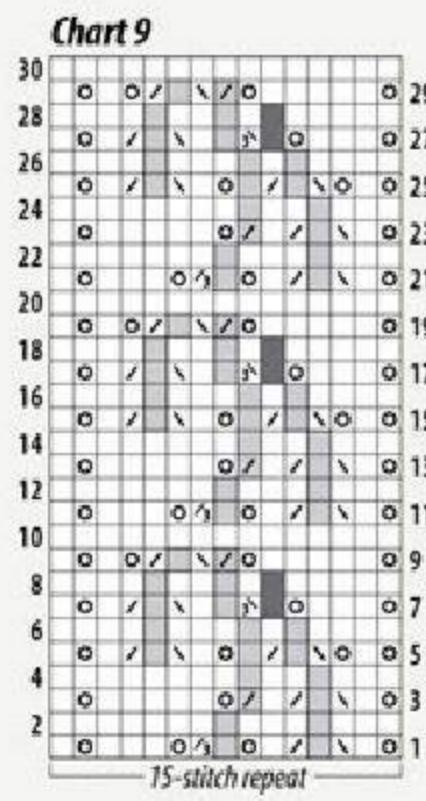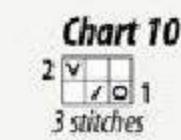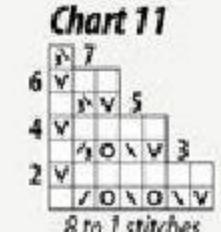
RIGHT SIDE OVERVIEW

Place Section 1 stitches onto left needle and work, pick up stitches along right edge of Section 2, then work Section 3 cast-on stitches. Work charts in order shown.
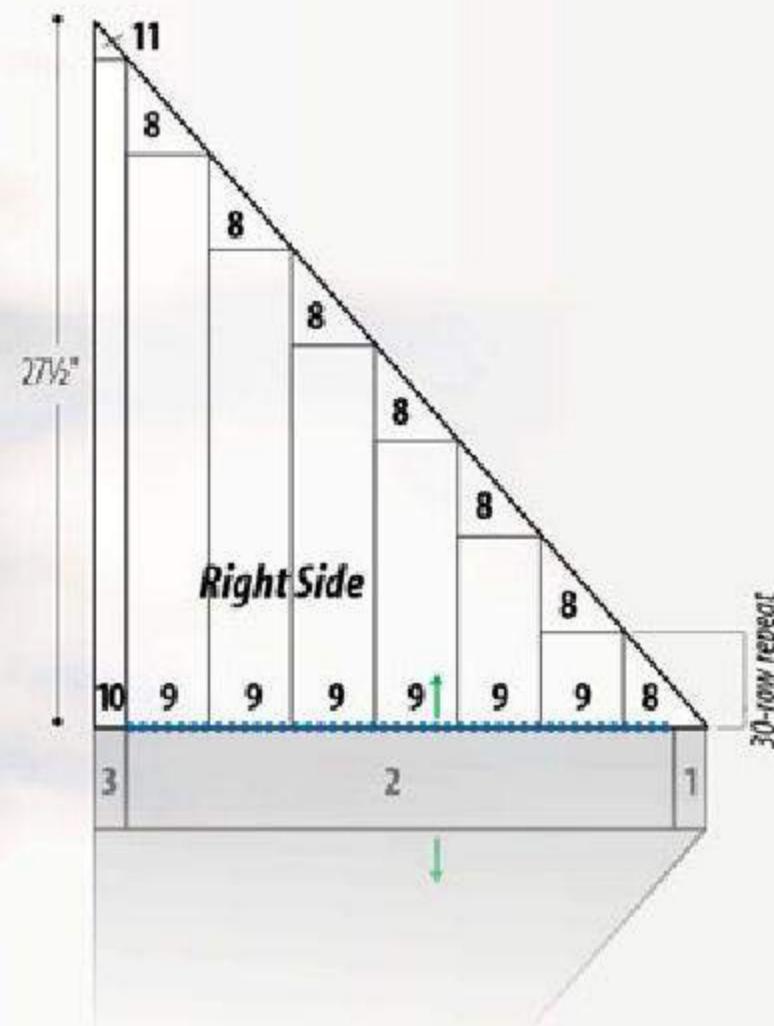
27½"

11

8

8

8

8

8

8

Right Side

10   9   9   9   9   9   9   8

3   2   1

30-row repeat

Stitch key

☐ Knit on RS, purl on WS

▨ Purl on RS, knit on WS

⊡ Yarn over (yo)

◩ K2tog

◪ P2tog

◹ K2tog through the back loop (k2tog, tbl)

◿ K3tog

◺ K3tog through the back loop (k3tog tbl)

◸ SSK

◪ Sl 1 purlwise with yarn at WS of work

◼ Stitches do not exist in these areas of chart

Although they're found on opposite ends of the spectrum, red and violet merge on the color wheel and flow through this cropped cardigan.

designed by
Kathy Zimmerman

Red/violet

K3, P3 RIB
MULTIPLE OF 6
Every row [K3, p3] to end.

INC 1
At beginning of RS rows K1, M1.
At end of RS rows M1, k1.

DEC 1
At beginning of RS rows K1, k2tog.
At end of RS rows SSK, k1.

Chart

6-st repeat

Stitch key
☐ Knit on RS, purl on WS
☐ Purl on RS, knit on WS
▲ Sl 2, k1, p2sso (S2KP2)

CHART *MULTIPLE OF 6 + 2*
Row 1 (RS) Knit.
Row 2 K1, purl to last stitch, k1.
Row 3 K1, [k3, yo, S2KP2, yo] to last stitch, k1.
Row 4 Knit.

Left Front

3 (3½, 4, 4½, 5)"
6½ (7, 7, 7½, 8)"
3"
1"
7½ (8, 8½, 9, 9½)"
14½ (15½, 16½, 17½, 18½)"
9 (9½, 10, 10½, 11)"
8½ (9½, 10½, 12, 13)"

Back

17½ (18½, 19½, 20½, 21½)"
17½ (20, 22, 24½, 26½)"
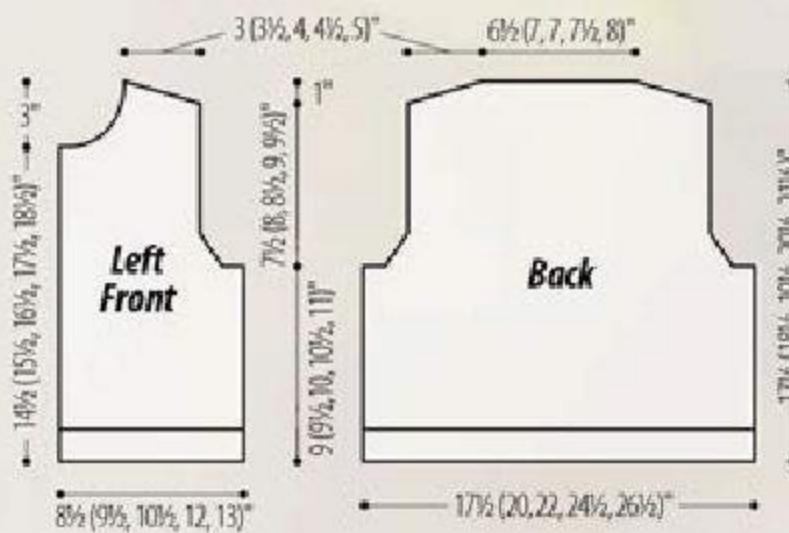
Back

With smaller needles, cast on **92** (104, 116, 128, 140). *Row 1* (WS) K1 (edge stitch), work K3, P3 Rib to last stitch, k1 (edge stitch). Knitting edge stitches every row, continue K3, P3 Rib until piece measures 1½", end with a RS row. *Next row* (WS) Knit. Change to larger needles. Work Chart until piece measures 9 (9½, 10, 10½, 11)", end with a WS row.
Shape armholes
At beginning of every row, bind off **5** (6, 7, 8, 9) twice, 3 stitches **0** (0, 0, 0, 2) times, then 2 stitches **0** (4, 6, 8, 8) times. Dec 1 each side every RS row **7** (5, 5, 5, 4) times —**68** (74, 80, 86, 92) stitches. Work even until armhole measures 7½ (8, 8½, 9, 9½)", end with a WS row.
Shape shoulders
At beginning of every row, bind off **5** (4, 6, 5, 7) twice, then 4 (5, 5, 6, 6) six times. Bind off remaining stitches.

Left Front

With smaller needles, cast on **44** (50, 56, 62, 68). Work as for back until piece measures same as back to armhole, end with a WS row.
Shape armhole
Shape armhole at beginning of RS rows as for back—**32** (35, 38, 41, 44) stitches. Work even until armhole measures 5½ (6, 6½, 7, 7½)", end with a RS row.
Shape neck
At beginning of every WS row, bind off **5** (6, 6, 6, 6) once, 3 stitches **1** (1, 1, 1, 2) times, 2 stitches **2** (2, 2, 3, 2) times, then 1 stitch **3** (3, 4, 3, 3) times —**17** (19, 21, 23, 25) stitches. Work even until armhole measures same as back to shoulder.
Shape shoulder
Shape shoulder at beginning of RS rows as for back.

Right Front

Work as for left front EXCEPT reverse shaping. Bind off armhole at beginning of WS rows and decrease at end of RS rows. Shape neck at beginning of RS rows. Shape shoulder at beginning of WS rows.

Sound
patterns

Warp speed

CHEVRON ROW

MULTIPLE OF 13 + 2

(RS) K1, [k2tog, k4, (k1, yo, k1) in next stitch, k4, SSK] to last stitch, k1.

Back

With larger needle and A, cast on **106** (119, **132**, 145, **158**). Work Stripe Sequence as follows:

Border Knit all rows.

Tier 1 Work in stockinette.

The Chevron Row is worked at a different rate in each tier. Work bracketed Chevron repeat to end of tier, then work any remaining rows in stockinette.

*Tier 2* [**Work Chevron Row, work 7 rows stockinette**].

Tier 3 [**Work Chevron Row, work 5 rows stockinette**].

Tier 4 [**Work Chevron Row, work 3 rows stockinette**].

Tier 5 [**Work Chevron Row, purl1 row**] to sleeve marker for your size, end with a WS row.

Shape sleeves

Next row (RS) Cast on 39 using cable cast-on — **145** (158, **171**, 184, **197**) stitches. Work Chevron Row across all stitches. **Next row** (WS) Cast on 39 using cable cast-on — **184** (197, **210**, 223, **236**) stitches. K7 (edge stitches), purl to last 7, k7 (edge stitches). Continue as established, working Chevron Row every RS row and knitting edge stitches every WS row. Place stitches on hold.

Schematic

Widths (top): 10½ (11, 12½, 13, 14½)" ... 7½"
Back
Front
Tier 5
Tier 4
Tier 3
Tier 2
Tier 1
Left side: 26 (26, 25, 24, 23)"
Right side: 6 (6, 7, 8, 9)" ... 1 (2, 3, 3, 4)"
Bottom: 16½ (18½, 20½, 22½, 24½)" / 20 (22½, 25, 27½, 30)"

4-color Stripe Sequence

Tier 5
4, 2, 5, 1, 4, 1, 3, 2, 1, 3, 5 — *Neck marker*, 3, 2, — *Sleeve marker XS, S*, 3, 2, — *M*, 1, — *L*, 3, — *1X*, 4, 5, 5, 2, 3, 1, 4, 3, 1, 5, 3, 2

Tier 3
3, 1, 2, 3, 2, 3, 5, 2, 1, 2, 1

Tier 2
3, 2, 4, 1, 5, 1, 3, 2, 3, 1, 4, 1, 3

Tier 1
1, 3, 2, 5, 1, 3, 2

Tier 4
5, 1, 2, 3, 2, 5, 1, 5, 2

Border
4, 1, 3, 2

Legend
- A
- B
- C
- D
- **1** Number of rows to work

Small in 4 colors: PRISM YARNS Euroflax Linen Lace in color Sapphire (A); PRISM YARNS Delicato in color Raspberry (B); PRISM YARNS Euroflax Linen Sport in colors Jasper (C) and Avocado (D)

Begin with stockinette stripes, then gradually add rows of ripple stitch — with paired increases and decreases — into the mix. Place them more frequently and the angles become sharper,

7-color Stripe Sequence

Small in 7 colors: PRISM YARNS Euroflax Linen Lace in colors Deep Sea (A), Violetta (D), and Bracken (G); PRISM YARNS Delicato in colors Avocado (B) and Jade (E); PRISM YARNS Euroflax Linen Sport in colors Begonia (C) and Zinnia (F)

creating zigzags as the knit fabric narrows to shape the tunic. We offer 2 variations with either 4 or 7 colors.

designed by Laura Bryant

Color Key

Color	Letter
(magenta)	A
(olive green)	B
(pink)	C
(teal blue)	D
(brown)	E
(seafoam)	F
(light blue/gray)	G

1 Number of rows to work

Tier 3
Rows	Color
3	C
4	F
1	A
2	E
3	B
5	D

Tier 2
Rows	Color
1	A
2	E
5	B
3	D
2	G
3	C
5	F
3	A
1	E
2	B
3	D
2	G

Tier 1
Rows	Color
1	C
3	F
5	A
1	E
3	B
2	D
2	G
1	C
3	F
1	A

Border
Rows	Color
4	A
1	E
3	B
2	D

Tier 5
Rows	Color	Marker
5	C	
3	F	
3	A	
6	E	
2	B	Neck marker
3	D	
2	G	
5	C	Sleeve marker XS, S
3	F	
2	A	
5	E	M
2	D	L
1		1X
5	C	
3	F	
5	E	
1	B	
2	D	
5	G	
3	C	
3	D	
5	E	
2	B	
2	D	

Tier 4
Rows	Color
3	F
3	C
3	D
4	A
1	B
2	E
3	D
5	G

NOTES
See *School*, page 74, for abbreviations and techniques.

The gradual transition from stockinette to chevron stitch narrows the fabric as more chevron rows are worked.

Carry yarns not in use loosely along both side edges Do not cut yarn unless, the next time it is used, it is picked up from the other side of the work. .

If the shaping breaks up any yarn-over/decrease pair, do not work the yarn-over or the decrease; simply knit or purl to the next pair.

Ripple stitch—set on its side—provides interesting options for decorative stripes and side-seam finishes. Garter-stitch accent stripes add color to a neutral body, while contrasting buttons replace stitching at the side seams.

designed by Kennita Tully

Accent on stripes

Stockinette Chevron (SC)

2 ▼ ▼ ▼ ▼ 1
└─ 12- to 10- to 12-st ─┘
repeat

Garter Chevron (GC)

2 ▼ ▼ ▼ ▼ 1
└─ 12- to 10- to 12-st ─┘
repeat

Stitch key

☐ Knit on RS, purl on WS	◨ SSK
☐ Purl on RS, knit on WS	◪ SSSK
☑ K2tog	▼ (P1, yo, p1) in next stitch
	▼ (K1, yo, k1) in next stitch

CHEVRONS

MULTIPLE OF 12 + 3

Row 1 (RS) K1, SSK, [k9, SSSK] to 12 stitches before marker/end, k9, k2tog, k1.

For stockinette, Row 2 P6, [(p1, yo, p1) in next stitch, p9] to 7 stitches before marker/end, (p1, yo, p1) in next stitch, p6.

For garter, Row 2 Work as for stockinette EXCEPT knit and yo rather than purl and yo.

Stripe Sequences

1

GC
SC
GC
SC
GC

2

GC
SC
GC
SC
GC

3

GC
SC
GC
SC
GC
SC
GC
SC
GC

GC   *2 rows Garter Chevron*
SC   *2 rows Stockinette Chevron*
☐   *Color A*
🟪   *Color B*
🟩   *Color C*

1 Right Front Panel

With A, cast on 171 (**183**, 183, **195**, 195, **207**, 207). Work 4 rows Stockinette Chevron (SC). Work Stripe Sequence 1. Change to A and SC. Work even until piece measures 6½ (7, 7½, 8, 8½, 9, 10)", end with a WS row. Place stitches on hold.

— cast on
— bind off

R Front Panel

1 Knit panel and place on hold.

Body

2 Left sleeve

With A, cast on 51 (**63**, 63, **75**, 75, **87**, 87), place marker (pm), cast on 51 (**63**, 63, **75**, 75, **87**, 87) — 102 (**126**, 126, **150**, 150, **174**, 174) stitches total. *Next row* (RS) Work Row 1 of SC to marker, slip marker (sm), work Row 1 of SC to end. *Next row* (WS) Work Row 2 of SC to marker, sm, work Row 2 of SC to end. Repeat last 2 rows once more. Work Stripe Sequence 2. Change to A and SC. Work even until piece measures 3 (3, 3, 3½, 3½, 4, 4)", end with a RS row.

Left front and back

Next row (WS) Cable cast on 120 for left front, purl cast-on stitches, work in pattern to end — 222 (**246**, 246, **270**, 270, **294**, 294) stitches. *Next row* (RS) Cable cast on 120 for back, work in pattern across all 342 (**366**, 366, **390**, 390, **414**, 414) stitches to end. Continue in SC until piece measures 7½ (8, 9, 10, 11, 12, 12½)" from sleeve cast-on, end with a WS row. Work 8 rows of Stripe Sequence 3.

L Front | **L Sleeve** | **Back**

2 Cast on for L Sleeve and work L Front and Back to left neck edge.

3 Divide for neck

Next row (RS) Work next row of Stripe Sequence 3 to marker, remove marker, place left front stitches on hold — 171 (**183**, 183, **195**, 195, **207**, 207) stitches. Work through end of Stripe Sequence 3. Change to A and SC. Work even until back neck measures 6½ (7, 7½, 8, 8½, 9, 10)", end with a WS row. Place back stitches on hold.

hold | next | **Center Back**

**3** Place L Front on hold and work Center Back to right neck edge.

4 Left front

Return left front stitches from hold onto needle. Continue through end of Stripe Sequence 3. Change to A and SC. Work even until left front measures 4½ (5, 5½, 6, 6½, 7, 8)" from neck opening. Work Stripe Sequence 1. Change to A. Work 4 rows SC. Bind off.
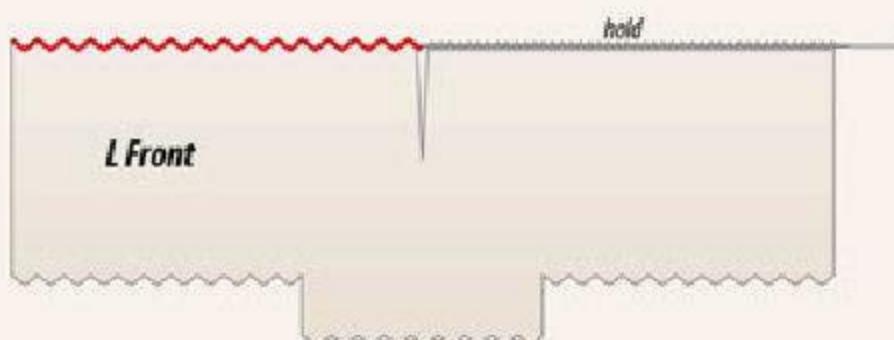
L Front

hold

4 Place Back on hold, work L Front, and bind off.

20½ (22, 22, 23½, 23½, 25, 25)"

5½ (6, 7, 7½, 8½, 9, 9½)"

6½ (7, 7½, 8, 8½, 9, 10)"

3 (3, 3, 3½, 3½, 4, 4)"

14½"

12½ (15½, 15½, 18, 18, 21, 21)"

14½"

R Sleeve

R Front Panel

neck

Back

L Front

L Sleeve

→ *Direction of knitting*
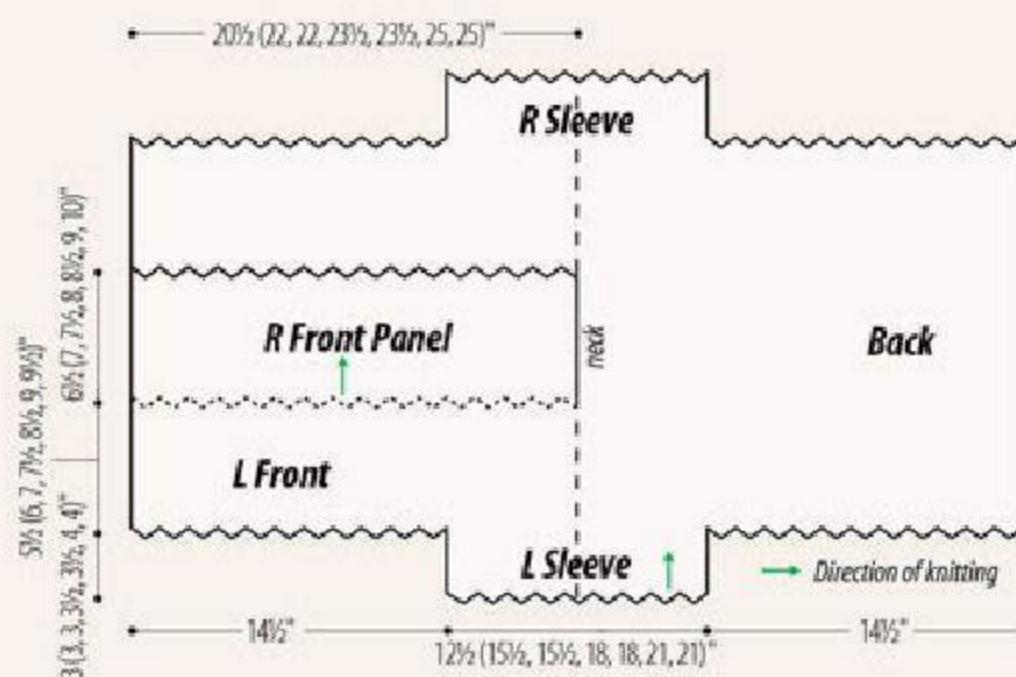
5&6 Right front and back

With A and RS facing, work SC across held back stitches, pm, then work stitches from right front panel — 342 (366, **366**, 390, **390**, 414, **414**) stitches. Work even until piece measures 5½ (6, 7, 7½, **8½**, 9, 9½)" from neck opening, end with a WS row.
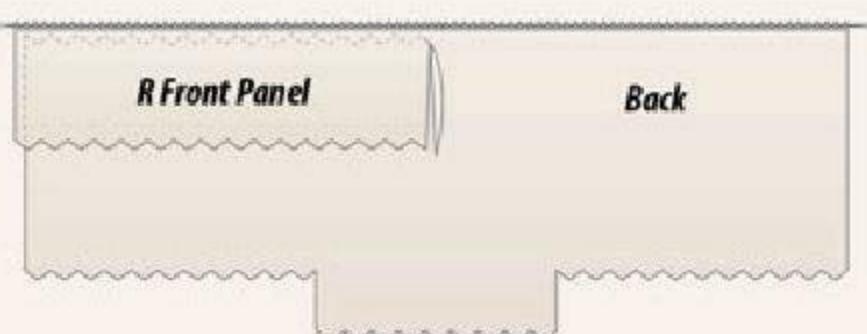
R Front Panel   **Back**

5 Work across Back and R Front Panel.

R Front Panel   **Back**
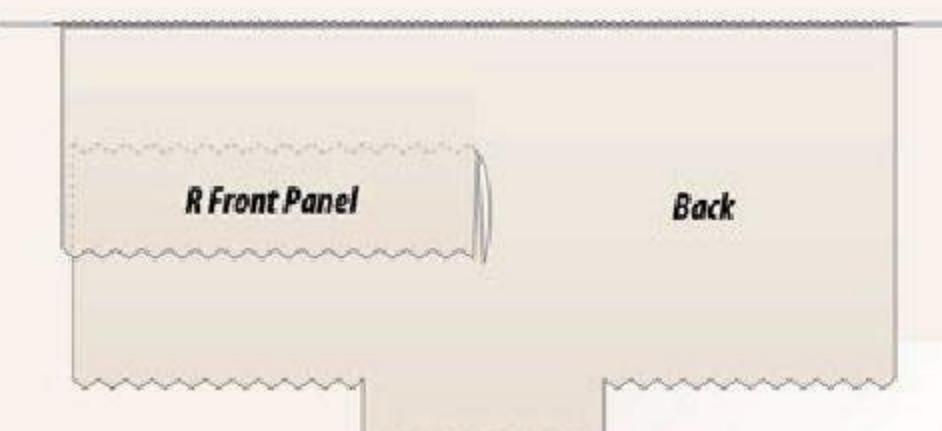
6 Work to R Sleeve.

7 Right sleeve

Next row (RS) Bind off 120, work in pattern to last 120, knit to end.
Next row Bind off 120, work to end — **102** (126, **126**, 150, **150**, 174, **174**) stitches. Work even until sleeve measures 1 (1, 1, 1½, **1½**, 2, **2**)". Work Stripe Sequence 2. Change to A. Work 4 rows SC. Bind off.
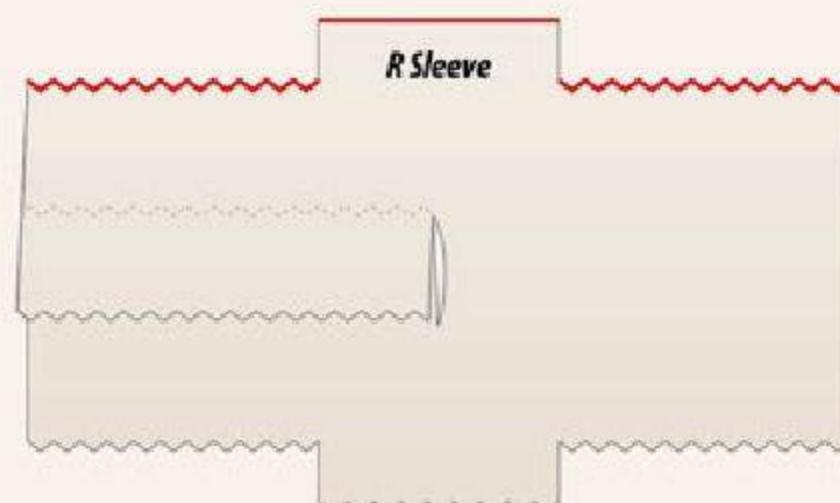
R Sleeve

7 Bind off R Front and Back, work R Sleeve, and bind off.

L Front
& R Back
1
2
3
4
5

Finishing

Block. Sew sleeve seams.

Mark placement for button loops in 5 scallop indentations closest to sleeve on left front edge, 5 scallop indentations closest to sleeve on back right edge, and at first, third, and fifth scallop indentations on left front edge. Mark placement for button loop in top scallop indentation on right front edge.

Button loops

With RS facing, crochet hook, and A, slip stitch into second stitch from ripple decrease. Chain 5, slip stitch into second stitch on opposite side of decrease. Cut, secure, and weave in ends.

Sew buttons onto corresponding points of left back edge and right front edge. Sew 3 front closure buttons on right front to correspond with left front, and sew 1 button on WS to hold right front panel in place. ⌒

The blending of 4 yarns—3 solid and 1 variegated—make this Old Shale pattern fresh and exciting.

designed by
Jill Bigelow Suttell

Ocean shale

DEC 1
At beginning of RS rows K1, SSK.
At end of RS rows K2tog, k1.

INC 1
At beginning of RS rows K1, M1R.
At end of RS rows M1L, K1.

Chart 1

XS, M, 1X
END
18-st repeat
S, L, 2X
S, L, 2X
XS, M, 1X
BEGIN

Stitch key
☐ Knit on RS, purl on WS
☐ Purl on RS, knit on WS
⊙ Yarn over (yo)
☑ K2tog

Chart 2

Color key
☐ A
☐ B
☐ C
☐ D
☐ 2 Work number of rows in indicated color

Stripe Sequence

Back

With A, cast on **114** (124, **132**, 142, **150**, 160). *Set-up row* (WS) K6 (8, 6, 8, 6, 8), place marker (pm), knit to last 6 (8, 6, 8, 6, 8), pm, knit to end. *Begin Stripe Sequence and Charts: Row 1* (RS) While working in Stripe Sequence, work Chart 2 to marker, work Chart 1 to next marker, work Chart 2 to end. *Row 2* Work Chart 2 to marker, work Chart 1 to next marker, work Chart 2 to end. Continue as established, working Chart 1 between markers and Chart 2 outside of markers until piece measures 3", end with a WS row.
Shape sides
Dec 1 each side of next RS row, **[work 7 rows even; Dec 1 each side of next row]** twice— **108** (118, **126**, 136, **144**, 154) stitches. Work even until piece measures 6", end with a WS row. Inc 1 each side of next RS row, **[work 7 rows even; Inc 1 each side of next row]** twice — **114** (124, **132**, 142, **150**, 160) stitches. Work even, ending at * on Stripe Sequence and when piece measures approximately 16".
Shape armholes
When the shaping breaks up any yarn-over/decrease pair in half of a repeat (3 consecutive yarn-overs paired with 3 consecutive k2togs), do not work the yarn-overs or the decreases; simply work those stitches in Chart 2 to the next half or full repeat.
At beginning of next 2 rows, bind off **8** (10, **11**, 13, **14**, 16). Dec 1 each side every RS row 7 (9, **11**, 12, **13**, 15) times — **84** (86, **88**, 92, **96**, 98) stitches.
Next RS row Work 6 (7, 8, 1, 3, 4) in Chart 2, pm, work in pattern to last 6 (7, 8, 1, 3, 4), pm, work Chart 2 to end. Working Chart 1 between markers and Chart 2 outside of markers, work even until armhole measures 7½ (8, 8½, 9, 9½, 10)". Bind off.

Front

Work as for back until armhole measures 4½ (5, 5½, 5½, 5½, 6)", end with a WS row. Mark center **14** (14, **16**, 16, **18**, 18) for neck.
Shape neck
When neck shaping reaches last full repeat at each shoulder, work all stitches in Chart 2.
Next row (RS) Work to marker, join second ball of yarn, bind off marked center stitches, work to end. Place markers at next full repeat at each neck edge and work those stitches in Chart 2. Working both sides at the same time with separate balls of yarn, at each neck edge bind off 2 stitches 3 (3, 3, 4, 4, 4) times. Dec 1 at each neck edge every RS row 9 (9, 9, 8, 8, 8) times — **20** (21, **21**, 22, **23**, 24) stitches each shoulder. Work even until armhole measures same as back to shoulder. Bind off.

INTERMEDIATE

STANDARD FIT

XS (S, M, L, 1X, 2X)
A 35 (38, **41**, 44, **46**, 49)"
B 23½ (24, **24½**, 25, **25½**, 26)"
C 15½ (16, **16½**, 18, **18**, 18½)"

10cm/4"
31
26
over Chart 1

10cm/4"
36
24
over Chart 2

1 2 **3** 4 5 6
Light weight
A and B 250 (275, **300**, 340, **360**, 380) yds each
C 225 (250, **275**, 310, **325**, 350) yds
D 175 (200, **220**, 250, **260**, 280) yds

4mm/US6, or size to obtain gauge

4mm/G-6

&
stitch markers

NOTES
See *School*, page 74, for abbreviations and techniques.

Carry yarns not in use loosely along side edge.

Small: UNIVERSAL YARN Bamboo Pop in colors 115 Silken (A), 211 Frosty Morning (B), 106 Turquoise (C), and 107 Ocean (D)

Stripes are always in fashion but often become mundane. This pullover breaks them up with a colorful zigzag mosaic accent to push it over the top.

designed by
Katharine Hunt

Static resistance

DEC 1

At beginning of RS rows K1, k2tog.
At end of RS rows SSK, k1.
At beginning of WS rows P1, SSP.
At end of WS rows P2tog, p1.

INC 1

At beginning of RS rows K1, M1.
At end of RS rows M1, k1.
At beginning of WS rows P1, M1.
At end of WS rows M1, p1.

Chart

M, 1X | END | BEGIN | M, 1X
S, L   S, L
18-st repeat

Edge stitch
All Sizes

Edge stitch
All Sizes

Key
☐ A in stockinette
▩ B in garter stitch
▦ C in garter stitch

Chart Note

This mosaic-stitch chart combines RS and WS rows in one chart row. The color of the first square is the color of the yarn used for that row: With B, knit Rows 1 and 2. With A, knit Row 3 and purl Row 4, slipping B stitches. With B, knit Rows 5 and 6, slipping A stitches. For an expanded mosaic chart, see page 79.

Back

Picot hem
With 4.5mm/US7 needles and A, cast on 112 (120, 130, 138). Change to 3.75mm/US5 needles. Beginning with a RS row, work 4 rows stockinette. *Eyelet row (RS)* K1, [k2tog, yo] to last stitch, k1. *Next row (WS)* Purl.

Stripes
Change to 4mm/US6 needles. Work 4 rows stockinette. Change to B. *Next row (RS)* K3, M1, knit to end—113 (121, 131, 139) stitches. Knit 5 rows. Work 8 rows stockinette. [With A, work 12 rows stockinette. With B, work 12 rows stockinette] 3 times. With A, work 6 rows stockinette.

Shape armholes
Continue in stockinette. [With B, Inc 1 each side of next row; work 1 row even] 3 times. Change to A. Inc 1 each side of next row. Work 1 row even. Inc 1 each side of every row 4 times — 129 (137, 147, 155) stitches. Change to B. Work Chart. *Next 18 rows* Work 6 rows stockinette each in A, B, then A. Cut A. With B, work even until armhole measures 6½ (7, 7, 7½)" from beginning of chart, end with a WS row. Mark center 33 (37, 41, 47) stitches for neck.

Divide for neck
Next row (RS) Work to marked stitches and place stitches from right needle on hold for right shoulder, join second ball of yarn and bind off marked stitches, work to end—48 (50, 53, 54) stitches.

Shape neck and left shoulder
Next row (WS) Work to last 3, Dec 1. *Begin short-row shaping: Rows 1 and 2* Dec 1, work to last 9, wrap and turn (W&T); work to last 3, Dec 1. *Rows 3 and 4* Dec 1, work to 8 (9, 9, 9) before last wrapped stitch, W&T; work to last 3, Dec 1. *Rows 5 and 6* Dec 1, work to 8 (8, 9, 9) before last wrapped stitch, W&T; work to last 3, Dec 1. *Rows 7 and 8* Dec 1, work to 7 (8, 9, 9) before last wrapped stitch, W&T; work to last 3, Dec 1. Bind off remaining stitches, hiding wraps.

Shape neck and right shoulder
Join yarn at neck edge. *Begin short-row shaping: Rows 1 and 2* Dec 1, work to last 9, W&T; work to last 3, Dec 1. *Rows 3 and 4* Dec 1, work to 8 (9, 9, 9) before last wrapped stitch, W&T; work to last 3, Dec 1. *Rows 5 and 6* Dec 1, work to 8 (8, 9, 9) before last wrapped stitch, W&T; work to last 3, Dec 1. *Rows 7 and 8* Dec 1, work to 7 (8, 9, 9) before last wrapped stitch, W&T; work to last 3, Dec 1. *Next row* (WS) Dec 1, work to end, hiding wraps. Bind off remaining stitches.

Front

Work as for back until armhole measures 5", end with a WS row. Mark center 29 (33, 37, 43) stitches for neck.

INTERMEDIATE

STANDARD FIT

S (M, L, 1X)
A 39 (42, **45**, 48)"
B 19½ (20, **20**, 20½)"

10cm/4"

32

23

over stockinette stitch, lightly blocked, using **4mm/US6** needles

1 2 **3** 4 5 6

Light weight

A and B 450 (475, **525**, 550) yds each
C 75 (80, **85**, 95) yds

4mm/US6
3.75mm/US5
4.5mm/US7

3.75mm/US5, 40cm (16") long

&

stitch markers

NOTES

See *School*, page 74, for abbreviations and techniques.

When working the A/B dotted-square borders on the mosaic panel chart, note that there are 4 dotted squares, then a single A column, then 4 dotted squares, etc. (It's easy to miss the single column!)

Small: LION BRAND YARNS® LB COLLECTION Superwash Merino DK in colors 098 Ivory (A), 153 Night Sky (B), and 135 Persimmon (C)

Stockinette stripes are interrupted by textured garter-stitch columns to create vertical elements. The garter sections each decrease into a single purl stitch at the yoke—both shaping the garment and creating a place for inlaid crochet-chain embellishments.

designed by Rick Mondragon

Surface tension

DEC 1
At beginning of RS rows K1, k2tog.
At end of RS rows SSK, k1.

Diagram
4 (4½, 4½, 5, 5)"
3½ (4½, 5, 5½, 6)"
6 (6, 6½, 6½, 7½)"
7 (7½, 8, 8½, 9)"
Back
4"
18 (18, 18½, 19, 19)"
21 (21½, 22½, 23½, 24)"
Front
23 (25, 27, 29, 31)"
→ *Direction of knitting*
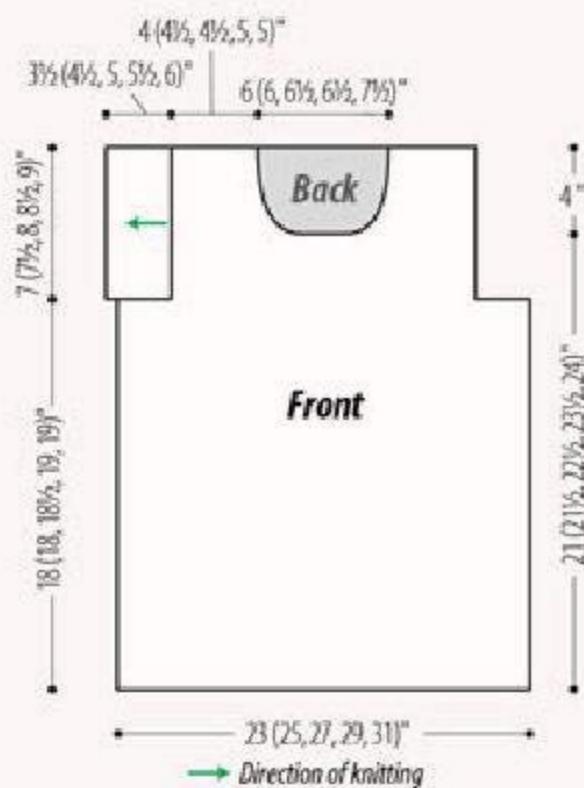
Back
With smaller needle and A, cast on 115 (125, **135, 145, 155**). Knit 5 rows. Change to larger needle. *Row 1* (RS) With B, k26 (31, **33, 38, 40**), p3, **[k7 (7, 8, 8, 9), p3]** 6 times, knit to end. *Row 2* Purl. *Row 3* With A, repeat Row 1. *Row 4* Purl. Repeat Rows 1–4 until piece measures 18 (18, **18½, 19, 19**)", end with Row 2.

Shape armholes
With A, bind off 16 (19, **22, 25, 28**) at beginning of next 2 rows—83 (87, **91, 95, 99**) stitches. Work even in pattern until armhole measures 3", end with Row 2. *Decrease row* (RS) With A, k9 (11, **10, 12, 11**), SSK, p1, k2tog, **[k5 (5, 6, 6, 7), SSK, p1, k2tog]** 6 times, knit to end—69 (73, **77, 81, 85**) stitches. *Next row* (WS) P10 (12, **11, 13, 12**), k1, **[p7 (7, 8, 8, 9), k1]** 6 times, purl to end. *Row 1* (RS) With B, k10 (12, **11, 13, 12**), p1, **[k7 (7, 8, 8, 9), p1]** 6 times, knit to end. *Row 2* P10 (12, **11, 13, 12**), k1, **[p7 (7, 8, 8, 9), k1]** 6 times, purl to end. *Rows 3 and 4* With A, repeat Rows 1 and 2. Repeat Rows 1–4 until armhole measures 7 (7½, **8, 8½, 9**)", end with Row 2. Place stitches on hold.

Front
SIZE S Work Decrease row before ending with Row 4.
Work as for back until armhole measures 3 (3½, **4, 4½, 5**)", end with Row 4—69 (73, **77, 81, 85**) stitches.

Shape neck
Next row (RS) With B, work 26 (28, **28, 30, 30**), join a second ball of yarn, work 17 (17, **21, 21, 25**) stitches and place on hold, work to end. Working both sides at the same time with separate balls of yarn and continuing stripe pattern, Dec 1 at neck edge every RS row 5 times, end with a WS row—21 (23, **23, 25, 25**) stitches. *Next row* (RS) With B, work to 3 before neck edge, p2tog, k1; k1, SSP, work to end—20 (22, **22, 24, 24**) stitches. Work even until armhole measures same as back to shoulder, end with Row 2. Place stitches on hold.

Finishing
With RS together, join shoulders using 3-needle bind-off as follows: Join 20 (22, **22, 24, 24**) stitches of first shoulder; bind off back neck stitches until 20 (22, **22, 24, 24**) stitches remain; join second shoulder.

Neck band
With RS facing, smaller needle, and A, pick up and knit (PUK) around neck edge at the following rates: 1 stitch for every row AND 1 stitch for every bound-off or held stitch. Place marker and join to work in the round. **[Purl 1 round, knit 1 round]** twice. *Next round* Bind off in purl.

Sleeves
With RS facing, larger needle, A, and beginning at inside corner of armhole bind-off, PUK 3 stitches for every 4 rows along armhole edge. *Next row* (WS) Purl. *Begin 2-row stockinette stripes* **[With B, knit 1 row; purl 1 row. With A, knit 1 row; purl 1 row]** until sleeve measures same as armhole bind-off, end with a WS row. With A, knit 5 rows. Bind off in purl.
Sew stockinette sleeve edges to armhole bind-off edges. Sew side seams from sleeve bind-off to hem.

Sidebar

it's easy
...go for it!

EASY +

C
B
A

OVERSIZED FIT
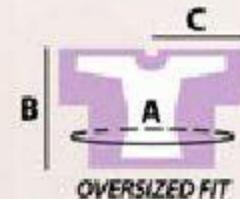
S (M, L, 1X, 2X)
A 46 (50, 54, 58, 62)"
B 25 (25½, 26½, 27½, 28)"
C 10½ (12, 13, 14, 15)"

10cm/4"
28
20
over stockinette stitch, using **larger needle**

1 2 **3** 4 5 6
Light weight
A and B 500 (550, **625, 725, 775**) yds each

4mm/US6, or size to obtain gauge, 60cm (24") or longer
3.5mm/US4, 40cm (16") long

3.25mm/D-3

NOTES
See *School*, page 74, for abbreviations and techniques.

Carry yarns not in use loosely along side edge.

Small: UNIVERSAL YARN/ROZETTI Lumen in color 101 Walnut (A) and Lumen Multi in color 204 Reflect (B)

Vertical lines

With RS facing, crochet hook, and A, work chain stitch in each purl-stitch column, beginning at decrease row and ending at shoulder seam. ⌒

Crochet chain stitch
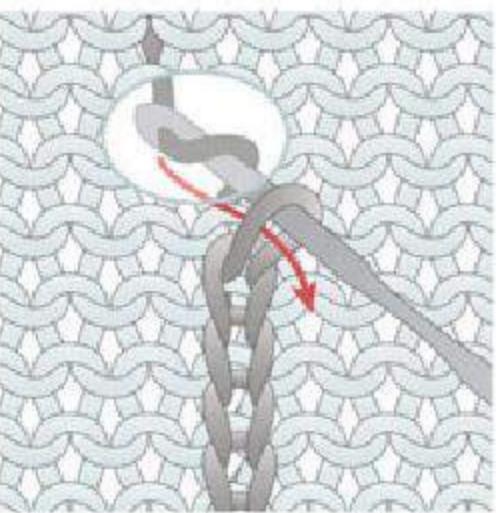
Hold yarn under fabric and, with a crochet hook, pull up a loop in one row, then in the next, pulling the second loop through the first.

Shock
waves

We take the idea of button closures and turn it on its side—actually placing them at the side seams. The eyelets in our rib pattern become buttonholes—leaving no doubt as to where to place the buttons.

designed by
Therese Chynoweth

Ultraviolet

DEC 1
At beginning of RS rows Sl 1, SSP.
At end of RS rows P2tog, p1.

INC 1
At beginning of RS rows Sl 1, p1, M1.
At end of RS rows M1, p2.

K2, P2 RIB IN ROUNDS *MULTIPLE OF 4*
Every round [K2, p2] to end.

K2, P2 RIB IN ROWS *MULTIPLE OF 4+2*
Set-up row (RS) P2, [k2, p2] to end.
Row 1 (WS) Sl 1, k1, [p2, k2] to end.
Row 2 (RS) Sl 1, p1, [k2, p2] to end.

Eyelet Rib

Stitch key
☐ Knit on RS, purl on WS
▨ Purl on RS, knit on WS
⊡ Yarn over (yo)
◪ K2tog
◪ P2tog
▼ Sl 1 purlwise with yarn at WS of work
■ Stitches do not exist in these areas of chart

Back
Cast on **94** (106, 114, 126, 138, 150). Beginning with a WS row, work 6 rows in K2, P2 Rib. Work Eyelet Rib chart until piece measures approximately 17", end with a chart Row 4. *Next row* (WS) Sl 1, k1, **[p2, k2]** 1 (1, 2, 3, 4, 5) times, place marker (pm), work to last 6 (6, 10, 14, 18, 22), pm, work in K2, P2 Rib to end.
Shape armholes
Working stitches outside of markers in K2, P2 Rib, at beginning of every row bind off 3 (4, 5, 6, 8, 10) twice, 4 stitches 0 (0, 0, 2, 2, 2) times, 3 stitches 0 (0, 2, 0, 2, 2) times, then 2 stitches 2 (2, 2, 4, 2, 4) times, removing markers on last row.
During decrease shaping, do not work yo, k2tog, or p2tog of chart in first 2 and last 2 ribs. Work those stitches in K2, P2 Rib.
Continuing to slip the first stitch of every row, Dec 1 each side every RS row 1 (4, 3, 2, 4, 4) times, then every 4 rows 4 (3, 3, 4, 3, 4) times — 74 (80, 82, 86, 90, 92) stitches, counting any ribs with 3 stitches as 2. Work 5 (7, 7, 7, 9, 9) rows even. Working new stitches into pattern, Inc 1 each side of next RS row, **[work 5 (9, 7, 7, 11, 5) rows even; Inc 1 each side of next row]** 1 (1, 2, 2, 1, 2) times, **[work 7 (11, 9, 5, 13, 7) rows even; Inc 1 each side of next row]** 2 (1, 1, 1, 1, 1) times — **82** (86, 90, 94, 96, 100) stitches. Work even until armhole measures 7 (7½, 8, 8½, 9, 9½)", end with a WS row.
Shape shoulders
During shaping, do not work yo, k2tog, or p2tog of chart in first 2 and last 2 ribs. Work those stitches in K2, P2 Rib.
At beginning of every row, bind off 3 stitches 8 (8, 4, 2, 2, 0) times, 4 stitches 4 (4, 8, 10, 10, 10) times, then 5 stitches 0 (0, 0, 0, 0, 2) times. Counting any ribs with 3 stitches as 2, place remaining 42 (46, 46, 48, 50, 50) stitches on hold.

Front
Cast on **98** (110, 118, 130, 142, 154). Work as for back until piece measures approximately 17", end with a chart row 4. *Next row* (WS) Sl 1, k1, p2, **[k2, p2]** 1 (1, 2, 3, 4, 5) times, pm, work to last 8 (8, 12, 16, 20, 24), pm, work in K2, P2 Rib to end.
Shape armholes
Working stitches outside of markers in K2, P2 Rib, at beginning of every row bind off 5 (6, 7, 8, 10, 12) twice, 4 stitches 0 (0, 0, 2, 2, 2) times, 3 stitches 0 (0, 2, 0, 2, 2) times, then 2 stitches 2 (2, 2, 4, 2, 4) times, removing markers on last row. Counting any ribs with 3 stitches as 2, mark center 12 (16, 16, 18, 20, 20) stitches for neck. Continue shaping armholes as for back and AT SAME TIME, when armhole measures 6½ (7, 7½, 7½, 8, 8)", end with a WS row and shape front neck.
Shape neck
Next row (WS) Work to marked center stitches, join a second ball of yarn, work marked stitches in K2, P2 Rib working 2 stitches together in any rib with 3 stitches and place on hold for neck, work to end. Working both sides at the same time with separate balls of yarn, at each neck edge bind off 6 once, 4 once, 2 once, then 1 stitch 3 times and AT SAME TIME, when armhole measures same as back to shoulder, shape shoulders as for back.
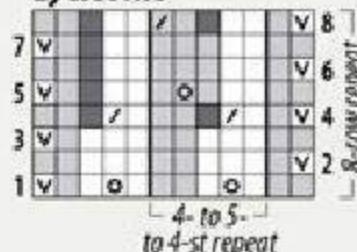
Schematic (measurements)

4 (4, 4½, 4½, 4½, 5)" 8½ (9, 9, 9½, 10, 10)"

1½"

Back

7 (7½, 8, 8½, 9, 9½)"

15 (16, 16½, 17, 18, 18½)"

2½ (2, 2½, 2½, 2¾, 3)"

Front

17"

23½ (24, 24½, 24½, 25, 25)"

19 (21, 23, 25, 27½, 30)" → Back
19½ (22, 23½, 26, 28½, 31)" → Front
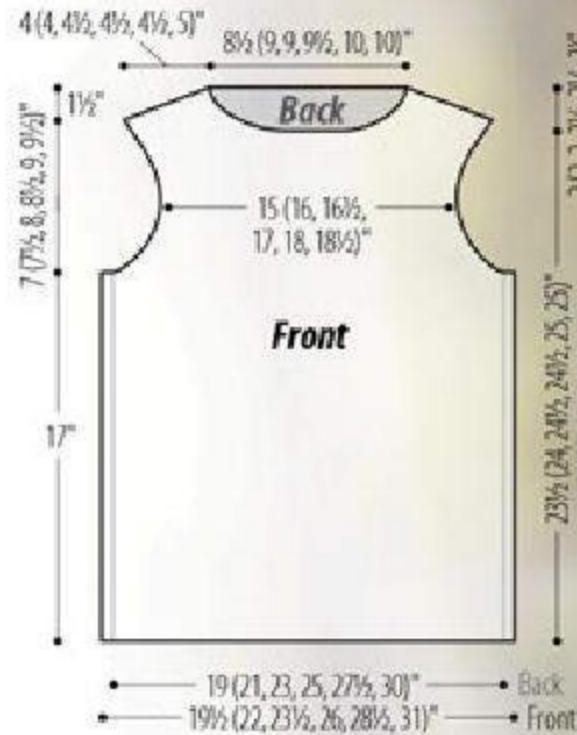
Finishing

Block pieces. Sew shoulder seams.

Neck band

With RS facing, work across held back neck stitches in K2, P2 Rib working 2 stitches together in any rib with 3 stitches, PUK along left front neck, work across held front neck stitches in K2, P2 Rib, PUK along right front neck. Place marker and join to work in the round. Work 3 rounds in K2, P2 Rib. Bind off in pattern.

Arm bands

With RS facing, PUK along armhole edge. *Next row* (WS) Bind off in purl.

Using yarn-overs along front side edges as buttonholes, mark placement of 7 buttons on each side of back, with top button aligning with first yarn-over below armhole on front, and remaining buttons aligning with every other yarn-over along front edge. Sew on buttons. ⌒

PUK

With RS facing, pick up and knit (PUK) at the following rates: 3 stitches for every 4 rows along vertical and diagonal edges AND 1 stitch for every bound-off stitch, adjusting if necessary on next round to a multiple of 4 plus number of stitches needed for K2, P2 Rib to be continuous between front and back neck. For armholes, no adjustment is needed.

We honor Atomic Number 47 in this jacket with its stylish silhouette and beautiful stitch work. Garter and cables create flattering vertical panels. Are you ready for an upgrade to Silver status? It possesses the highest electrical, thermal, and reflective conductivity of any element.

designed by
Barry Klein

Silver status

DEC 1
At beginning of row K1, k2tog.
At end of row SSK, k1.

INC 1
At beginning of RS rows K1, M1.
At end of RS rows M1, k1.

BEADED CABLE
OVER 6 STITCHES
RS rows Sl 2 to cn, hold to back, k1; k2 from cn. Sl 1 to cn and hold to front, k2; k1 from cn.
WS rows P6.

Chart
2 [chart] 1
6 stitches
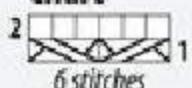
Stitch key
☐ Knit on RS, purl on WS
⬈ **1/2 RC** Sl 2 to cn, hold to back, k1; k2 from cn
⬊ **1/2 LC** Sl 1 to cn, hold to front, k2; k1 from cn

Back
With larger needles, cast on **75 (83, 91)**. *Begin pattern: Row 1* (RS) K12 (13, **14**), **[work 6 in Beaded Cable, k9 (11, 13)]** 3 times, work 6 in Beaded Cable, k12 (13, 14). *Row 2* K12 (13, 14), **[p6, k9 (11, 13)]** 3 times, p6, k12 (13, 14). Repeat Rows 1 and 2 twice more.
Shape sides
Continuing in pattern as established, Dec 1 each side of next RS row, then every 6 rows 3 more times—**67 (75, 83)** stitches. Work even until piece measures 12", end with a WS row.
Shape armholes
At beginning of next 2 rows, bind off **3 (4, 4)**. Dec 1 each side every RS row 3 (3, 4) times—**55 (61, 67)** stitches. Work even until armhole measures 8½ (9, 9½)", end with a WS row. Bind off in pattern.

Left front
With larger needles, cast on **41 (45, 49)**. *Begin pattern: Row 1* (RS) K12 (13, **14**), work 6 in Beaded Cable, k9 (11, 13), work 6 in Beaded Cable, k8 (9, 10). *Row 2* K8 (9, 10), p6, k9 (11, 13), p6, k12 (13, 14). Repeat Rows 1 and 2 twice more.
Shape side
Shape side at beginning of RS rows as for back—**37 (41, 45)** stitches. Work even until piece measures same as back to armhole, end with a WS row.
Shape armhole
Shape armhole at beginning of RS rows as for back—**31 (34, 37)** stitches. Work even until armhole measures 6 (6½, 7)", end with a RS row.
Shape neck
During neck shaping, if there aren't enough stitches to work a cable, knit those stitches instead.
At beginning of every WS row, bind off 6 once, then 4 once. Dec 1 at neck edge every RS row 4 times—**17 (20, 23)** stitches. Work even until armhole measures same as back to shoulder, end with a WS row. Bind off in pattern.

Right front
With larger needles, cast on **41 (45, 49)**. *Begin pattern: Row 1* (RS) K8 (9, 10), work 6 in Beaded Cable, k9 (11, 13), work 6 in Beaded Cable, k12 (13, 14). *Row 2* K12 (13, 14), p6, k9 (11, 13), p6, k8 (9, 10). Continue as for left front EXCEPT reverse shaping. Shape side at end of RS rows. Bind off for armhole at beginning of WS rows and decrease at end of RS rows. Shape neck at beginning of RS rows.

Sleeves
With larger needles, cast on **35 (39, 41)**. *Begin pattern: Row 1* (RS) K7 (8, 8), work 6 in Beaded Cable, k9 (11, 13), work 6 in Beaded Cable, k7 (8, 8). *Row 2* K7 (8, 8), p6, k9 (11, 13), p6, k7 (8, 8). Repeat Rows 1 and 2 five more times. Continuing in pattern as established, Inc 1 each side of next RS row, then every 12 rows 5 more times, working new stitches in garter—**47 (51, 53)** stitches. Work even until piece measures 17", end with a WS row.

Simple 3x3 ribs envelop the body and create a lot of visual depth. The simple shrug construction allows the ribs to travel in all directions as you knit the outer ring—becoming the fronts, lower back, and collar.

designed by Lisa Jacobs

Radiating ribs

1 Knit back.

2a Cast on and PUK for left sleeve.

2b Join and work to cuff.

→ direction of knitting
••••• pick up and knit
— cast on
— bind off

3a PUK and cast on for right sleeve.

3b Join and work to cuff.

4 PUK for outer ring:
a across back cast-on from left sleeve to right sleeve,
b along right sleeve cast-on,
c across back bind-off from right sleeve to left sleeve,
d along left sleeve cast-on.

5 Join and work outer ring for collar, fronts, and lower back.
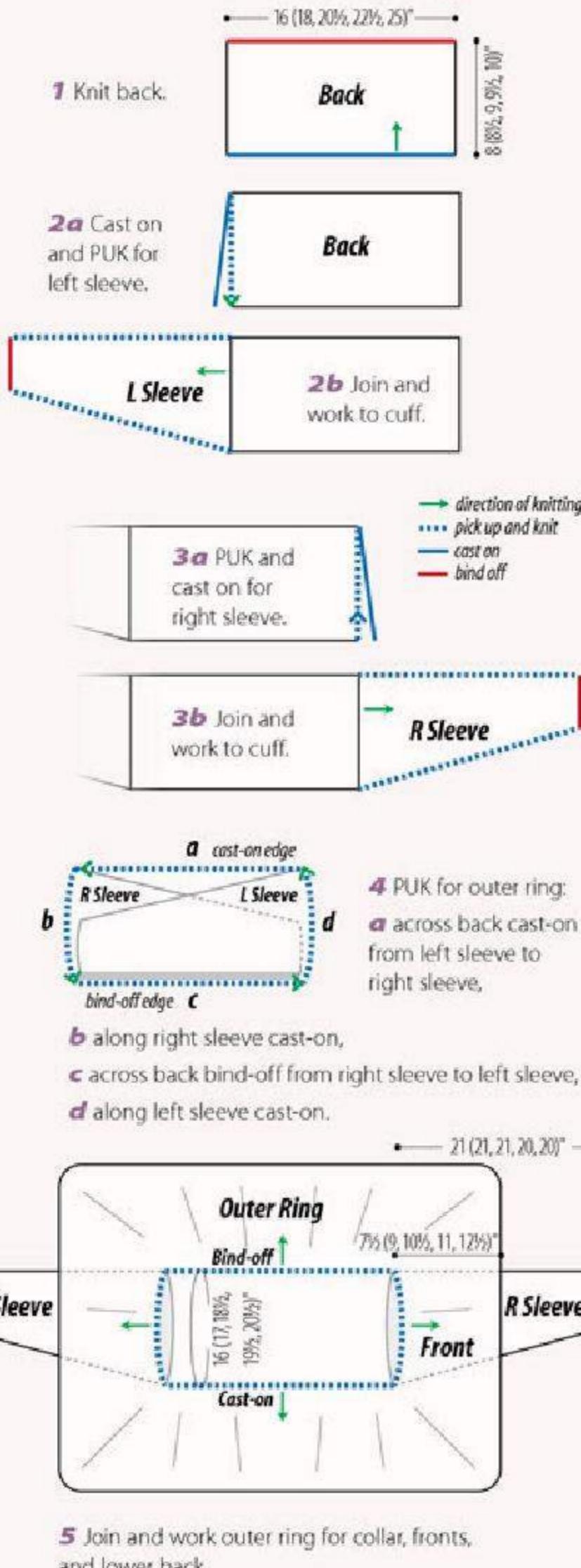
CIRCULAR RIB
MULTIPLE OF 6
Every round [P3, k3] to end.

DECREASE ROUND
Dec 1, work in pattern to last 2 stitches, Dec 1 — 2 stitches decreased.

DEC 1
At beginning of round
When the second stitch is a knit, k2tog.
When the second stitch is a purl, p2tog.

At end of round
When the second stitch before the marker is a knit, SSK.
When the second stitch before the marker is a purl, SSP.

Back
1 With longer circular needle, cast on 83 (95, 107, 119, 131).
Row 1 (WS) P4, [k3, p3] to last stitch, p1. *Row 2* (RS) K1, [k3, p3] to last 4, k4. Continue in pattern until piece measures 8 (8½, 9, 9½, 10)". Bind off in pattern.

Left Sleeve
Change to double-pointed needles (dpn) when necessary.
2a With shorter circular needle, cast on 42 (45, 48, 51, 54), then with RS facing and beginning at bound-off edge, pick up and knit (PUK) 42 (45, 48, 51, 54) along left edge of back.
2b Place marker (pm) and join to work in the round, being careful not to twist stitches —84 (90, 96, 102, 108) stitches. Work Decrease Round every 7 rounds 18 (10, 0, 0, 0) times, every 5 rounds 0 (11, 24, 24, 12) times, then every 4 rounds 0 (0, 0, 0, 15) times — 48 (48, 48, 54, 54) stitches. Work even until sleeve measures 21 (21, 21, 20, 20)". Bind off in pattern.

Right Sleeve
3a With RS facing, shorter circular needle, and beginning at cast-on edge, PUK 42 (45, 48, 51, 54) along right edge of back, then cast on 42 (45, 48, 51, 54).
3b Continue as for left sleeve.

Outer Ring (Collar, fronts, and lower back)
4a–d With RS facing and longer circular needle, PUK 81 (93, 105, 117, 129) along back cast-on, PUK 42 (45, 48, 51, 54) along right sleeve cast-on, PUK 81 (93, 105, 117, 129) along back bind-off, PUK 42 (45, 48, 51, 54) along left sleeve cast-on.
5 Place marker and join to work in the round —246 (276, 306, 336, 366) stitches. *Next round: Increase round* [M1, k1] to end —492 (552, 612, 672, 732) stitches. Work in Circular Rib until outer ring measures 7½ (9, 10½, 11, 12½)" from picked-up edge. Bind off in pattern.

Finishing
Block. ⌒

This sleek silhouette boasts a sassy accent of openwork at the cuffs. The body is made up of ribs that cross once near the hem, then travel straight to the shoulder, while the cuffs begin with ribs that cross in midair, then evolve into XO cables as they climb up the sleeves.

designed by Fiona Ellis

Well-connected

DEC 1

At beginning of RS rows P1, SSP.
At end of RS rows P2tog, p1.
At beginning of WS rows K1, k2tog.
At end of WS rows SSK, k1.

INC 1

At beginning of RS rows P1, M1.
At end of RS rows M1, p1.

Chart 1

16-st repeat

work 6 x

2-row repeat
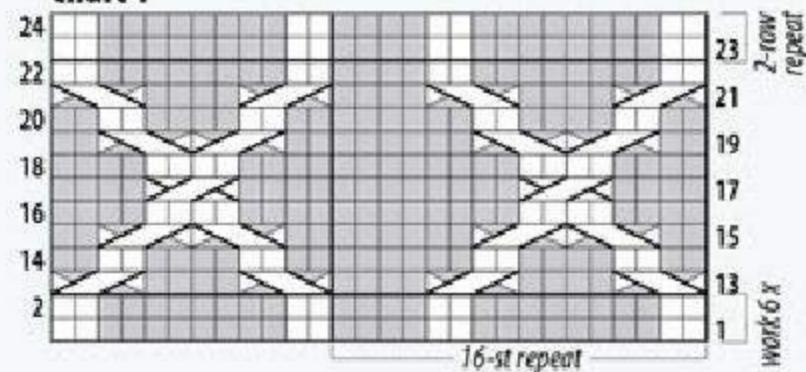
Stitch key

☐ Knit on RS, purl on WS

▨ Purl on RS, knit on WS

⧄ **2/2 RC** Sl 2 to cn, hold to back, k2; k2 from cn

⧅ **2/2 LC** Sl 2 to cn, hold to front, k2; k2 from cn

⧄ **2/2 RPC** Sl 2 to cn, hold to back, k2; p2 from cn

⧅ **2/2 LPC** Sl 2 to cn, hold to front, p2; k2 from cn

Back

Cast on 114 (120, **130**, 138, **148**, 156). *Set-up row* (WS) K3 (6, **11**, 15, **4**, 8), place marker (pm), **[p2, k8, p2, k4]** 6 (6, 6, 6, 8, 8) times, p2, k8, p2, pm, k3 (6, **11**, 15, **4**, 8). *Begin Chart 1: Row 1* (RS) Purl to marker, work chart to marker, purl to end. *Row 2* Knit to marker, work chart to marker, knit to end. Working stitches outside of markers in reverse stockinette, work chart Rows 3–24, then repeat Rows 23 and 24 until piece measures 14 (14½, **15**, 15, **15½**, 16)", end with a WS row.

Shape armholes

At beginning of every row, bind off 4 (4, 5, 5, 5, 5) twice, 3 (3, 3, 4, 4, 4) twice, then 2 (2, 3, 3, 4, 3) twice. Dec 1 each side every RS row 3 times — 90 (96, **102**, 108, **116**, 126) stitches. Work even until armhole measures 7 (7½, **8**, 8, **8½**, 9)", end with a WS row.

Shape shoulders

At beginning of every row, bind off 6 (6, 7, 8, 9, 10) stitches 4 times, then 6 (7, 7, 7, 8, 10) twice. Bind off remaining 54 (58, **60**, 62, **64**, 66) stitches.

Left Front

Cast on 55 (58, **63**, 67, **72**, 76). *Set-up row* (WS) K8, pm, **[p2, k8, p2, k4]** 2 (2, 2, 2, 3, 3) times, p2, k8, p2, pm, k3 (6, **11**, 15, **4**, 8). *Begin Chart 1: Row 1* (RS) Purl to marker, work chart to marker, purl to end. *Row 2* Knit to marker, work chart to marker, knit to end. Working stitches outside of markers in reverse stockinette, work chart Rows 3–24, then repeat Rows 23 and 24 until piece measures same as back to armhole, end with a WS row.

Shape armhole

Shape armhole at beginning of RS rows as for back — 43 (46, **49**, 52, **56**, 61) stitches. Work even until armhole measures 4½ (5, **5½**, 5, **5½**, 6)", end with a RS row.

Shape front neck

At beginning of every WS row, bind off 6 (8, 8, 8, 8, 8) once, 6 once, then 4 once. Dec 1 at neck edge every row 6 (6, 8, 8, 10, 12) times, then every RS row 3 (3, 2, 3, 2, 1) times — 18 (19, **21**, 23, **26**, 30) stitches. Work even until armhole measures same as back to shoulder, end with a WS row.

Shape shoulder

Shape shoulder at beginning of RS rows as for back.

Right Front

Cast on 55 (58, **63**, 67, **72**, 76). *Set-up row* (WS) K3 (6, **11**, 15, **4**, 8), pm, **[p2, k8, p2, k4]** 2 (2, 2, 2, 3, 3) times, p2, k8, p2, pm, k8. Continue as for left front EXCEPT reverse shaping. Bind off armhole at beginning of WS rows and decrease at end of RS rows. Shape neck at beginning of RS rows. Shape shoulder at beginning of WS rows.

INTERMEDIATE

STANDARD FIT
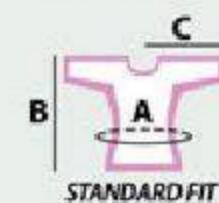
XS (**S, M, L, 1X, 2X**)

A 35½ (37½, **40**, 43, **46**, 48)"
B 22 (23, **24**, 24, **25**, 26)"
C 29½ (30½, **31**, 32½, **33½**, 34½)"

10cm/4"

30

24

over stockinette stitch

1 2 3 **4** 5 6

Medium weight

1125 (1225, **1325**, 1425, **1550**, 1700) yds
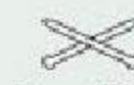
4mm/US6

4mm/US6, 40cm (16") long

6 25mm (1")

&

stitch markers
cable needle

NOTES

See *School*, page 74, for abbreviations and techniques.

Small: WEBS VALLEY YARNS Colrain in color Grey Olive

3 (3, 3, 3½, 4, 4½)"

8½ (9, 9, 9½, 10, 10)"

1"

7 (7¾, 8, 8, 8¾, 9)"

Back

14 (14½, 15, 15, 15¾, 16)"

17½ (18½, 20, 21, 23, 24)"

3 (3, 3, 3½, 4, 4½)"

3½ (3¾, 3½, 3½, 4, 4)"

Left Front

18½ (19½, 20½, 20, 21, 22)"

8½ (9, 9½, 10½, 11, 11½)"
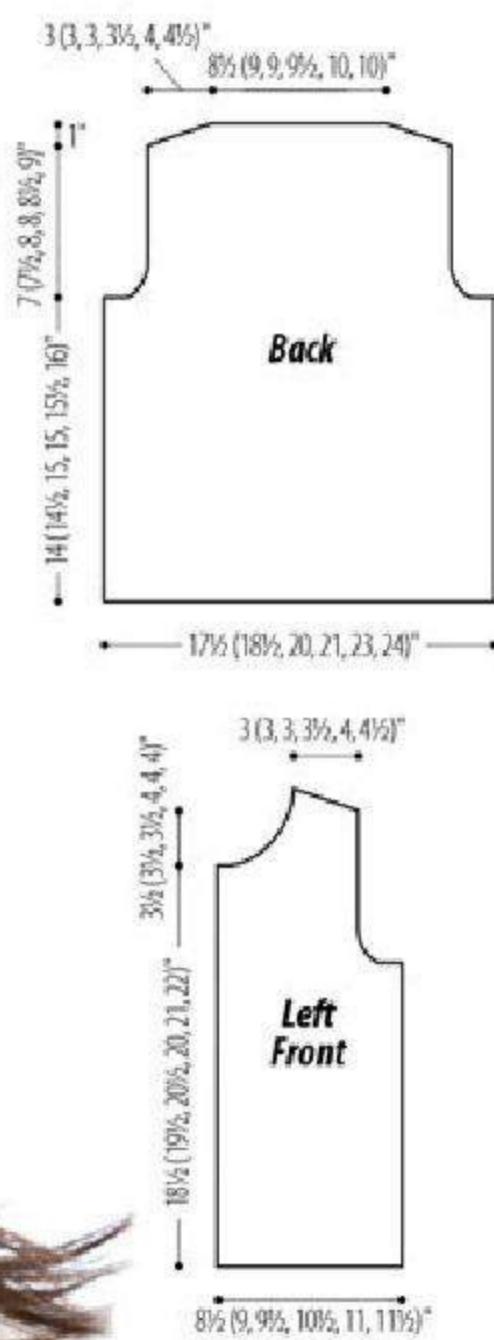
Well connected

Cuff

1 With circular needle, cast on 62. *Set-up row* (WS) K9, pm, **[p2, k8, p2, k4]** twice, p2, k8, p2, pm, k9. *Begin Chart 1: Row 1* (RS) Purl to marker, work chart to marker, purl to end. *Row 2* Knit to marker, work chart to marker, knit to end. Working stitches outside of markers in reverse stockinette, work chart Rows 3–14.
Circular needle serves as a stitch holder and working needle at the same time.
Begin cut-outs
Next row (RS) P2, bind off 9 in purl, **[k1, bind off 4, k1, bind off 8 in purl]** 3 times, bind off 1 in purl, p1 —8 pairs. Cut yarn.

2 With RS facing, join yarn and, working on first 2 stitches only, work 6 rows in reverse stockinette. Cut yarn.

3 *I-cords* At next 2 stitches, join yarn and **[kf&b in next stitch]** twice—4 stitches. Do not turn work. Work 4-stitch I-cord for 8 rows. Sl 4 onto left needle. *Next row* **[K2tog]** twice—2 stitches. Cut yarn. Continue working I-cord 5 more times.

4 Join yarn and work 6 rows in reverse stockinette across last 2 stitches. Cut yarn. Leave all stitches on hold on needle. Set aside.

Sleeve

5 With a separate pair of needles, cast on 62. *Set-up row* (WS) K9, pm, k2, **[p2, k4, p2, k8]** twice, p2, k4, p2, k2, pm, k9.
Attach I-cords
Make sure that each pair of I-cords crosses left over right as on body cables.

Join cuff to sleeve
6a–d *Next row* Place WS of cuff in front of RS of sleeve. **[Purl 1 cuff stitch together with 1 sleeve stitch]** twice, p9 from sleeve, **[[(sl 2 cuff stitches onto cn and hold to back, knit 1 cuff stitch together with 1 sleeve stitch) twice, p4 sleeve stitches, (knit 1 from cn with 1 sleeve stitch) twice, p8 sleeve stitches]** 3 times, p1 sleeve stitch, **[purl 1 cuff stitch with 1 sleeve stitch]** twice—62 stitches.

6d Purl sleeve stitches to next knit pair. Work stitches from cable needle together with knit sleeve stitches.
Repeat Steps 6a–d twice more. Purl sleeve stitches to last knit pair. Work last 2 cuff stitches together with last 2 sleeve stitches.

Chart 2

8 stitches

Stitch key
☐ Knit on RS, purl on WS
▷◁ **2/2 RC** Sl 2 to cn, hold to back, k2; k2 from cn
▷◁ **2/2 LC** Sl 2 to cn, hold to front, k2; k2 from cn

---

1 Work cuff, then begin cut-outs by binding off purl stitches.

2 Work 2 stitches at a time, leaving remaining stitches on hold on needle: Work first 2 stitches in reverse stockinette. Cut yarn.

3 Join yarn, work 4-stitch I-cord, cut yarn. Repeat 5 more times.

4 Join yarn and work last 2 stitches in reverse stockinette. Cut yarn.

5 Cast on for sleeve and work set-up row.

6 Join cuff to sleeve: *a* Work first 2 cuff stitches together with first 2 sleeve stitches.

6b Purl sleeve stitches to next knit pair; place 2 I-cord stitches onto cable needle and drop to back.

6c Knit next I-cord stitches together with 2 knit sleeve stitches.

Well connected

- 12 (13, 14,15, 15½, 16½)" -

Sleeve

17 (17½, 18, 18½,19)"

5 (5½, 5¼,6,6,6)"

9½"
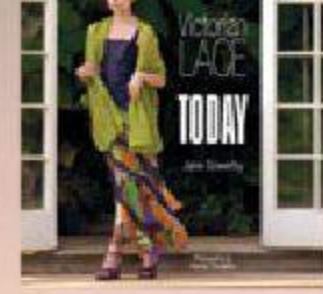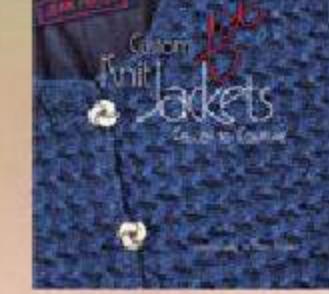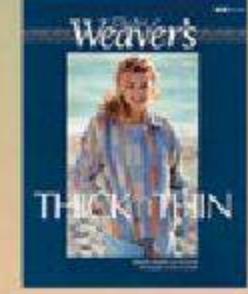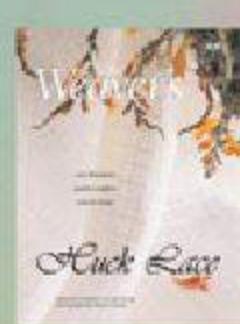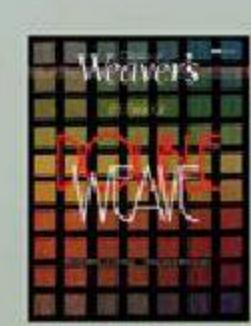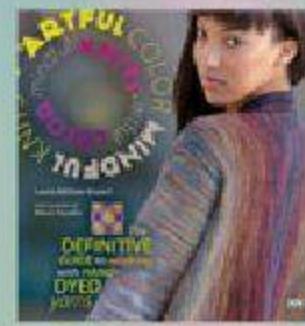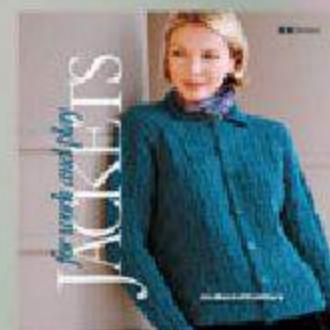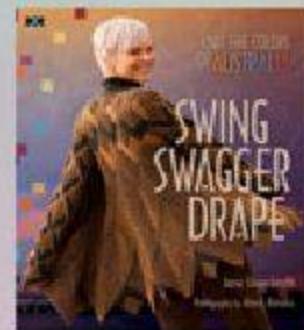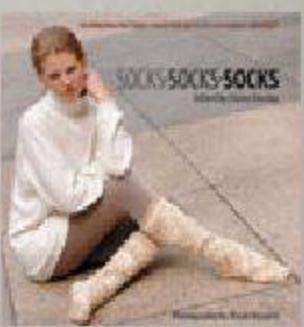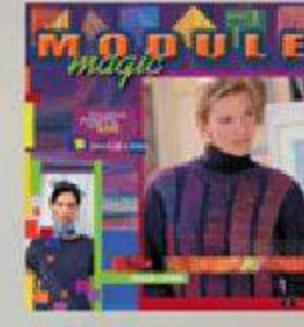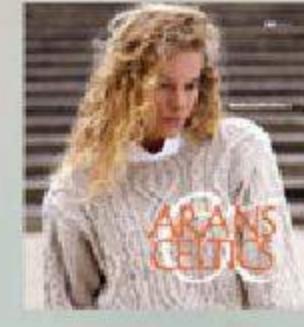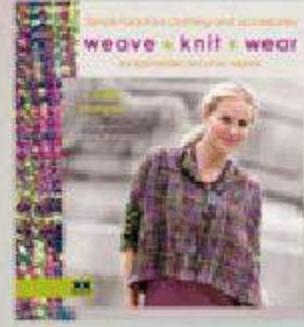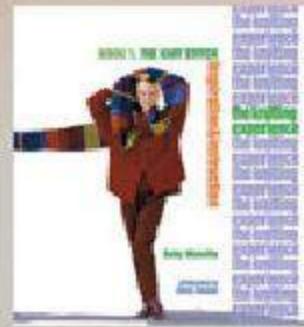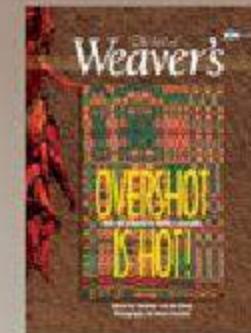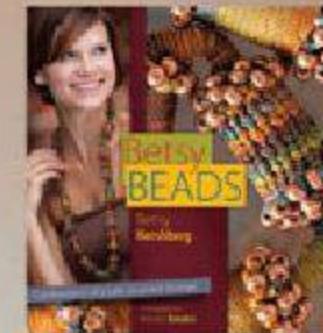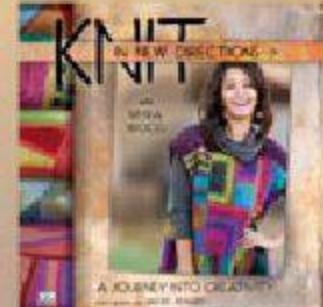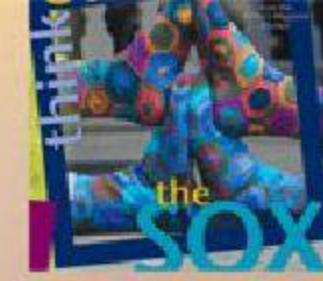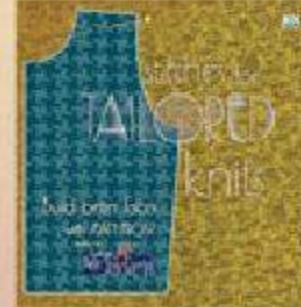
Working stitches outside of markers in reverse stockinette, work Rows 20–24 of Chart 1, then work Rows 13–14, removing markers on last row. *Begin Chart 2: Row 1* (RS) P11, **[work chart, p8]** 3 times, p3. *Row 2* K11, **[work chart, k8]** 3 times, k3. Continuing as established and working new stitches in reverse stockinette, Inc 1 each side of Row **9** (7, **5**, 5, **3**, 3), every **10** (8, **6**, 6, **4**, 4) rows **1** (5, **3**, 16, **6**, 10) times, then every **12** (10, **8**, 0, **6**, 6) rows **6** (5, **10**, 0, **13**, 11) times — **78** (84, **90**, 96, **102**, 106) stitches. Work even until piece measures **17** (17½, **18**, 18, **18½**, 19)", end with a WS row.

Shape cap

At beginning of every row, bind off **4** (4, **5**, 5, **5**, 5) twice, **3** (3, **3**, 4, **4**, 4) twice, then **2** (2, **3**, 3, **4**, 3) twice. Dec 1 each side every RS row **15** (13, **14**, 15, **15**, 16) times, then every row **0** (6, **6**, 6, **6**, 6) times. At beginning of every row, bind off **3** (2, **2**, 3, **3**, 4) twice, then 4 twice. Bind off remaining **16** (16, **16**, 16, **20**, 22) stitches.

Finishing

Block pieces. Sew shoulder seams.

Neck band

With RS facing, pick up and knit (PUK) along neck edge at the following rates: 1 stitch for every row along vertical and diagonal edges AND 1 stitch for every bound-off stitch. *Next row* (WS) Continue in rib pattern from body, adjusting number of stitches along sides of neck if necessary to fit into k2, p6 rib. Work 4 more rows in pattern. Knit 1 row. Bind off in knit.

Button band

With RS facing, PUK along neck band and left front edge, adjusting to a multiple of 6 plus 2 on next row if necessary. *Next row* (WS) K3, **[p2, k4]** to last 5, p2, k3. Work 4 more rows in pattern. Knit 1 row. Bind off in knit.

Buttonhole band

Mark placement of 6 buttonholes along right front edge, with one 1" from top of neck, one 1" from bottom, and remaining 4 spaced evenly between. Work as for button band, working 3-stitch buttonholes on 3rd row at marked buttonhole positions.

Set in sleeves. Sew side and sleeve seams. Sew on buttons. ∩

Knit Wise

I-cord

Slide stitches to opposite end of needle. Knit. Repeat until cord is the desired length.

Specifications: At a glance

Use the charts and guides below to make educated decisions about yarn thickness, needle size, garment ease, and pattern options.

Fit
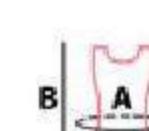
VERY CLOSE FIT
actual bust/chest size

CLOSE FIT
bust/chest plus 1–2"

STANDARD FIT
bust/chest plus 2–4"

LOOSE FIT
bust/chest plus 4–6"

OVERSIZED FIT
bust/chest plus 6" or more

Needles/Hooks

US	MM	HOOK
0	2	A
1	2.25	B
2	2.75	C
3	3.25	D
4	3.5	E
5	3.75	F
6	4	G
7	4.5	
8	5	H
9	5.5	I
10	6	J
10½	6.5	K
11	8	L
13	9	M
15	10	N
17	12.75	

Equivalent weights

¾	oz		20 g
1	oz		28 g
1½	oz		40 g
1¾	oz		50 g
2	oz		57 g
3½	oz		100 g

Conversion chart

centimeters	0.394		inches
grams	0.035		ounces
inches	2.54	X =	centimeters
ounces	28.6		grams
meters	1.1		yards
yards	.91		meters

Sizing

Measure around the fullest part of your bust/chest (or hip for a skirt) to find your size.

Children	2	4	6	8	10	12	14
Actual chest	21"	23"	25"	26½"	28"	30"	31½"

Women	XXS	XS	Small	Medium	Large	1X	2X	3X
Actual bust	28"	30"	32–34"	36–38"	40–42"	44–46"	48–50"	52–54"
Actual hip		30"	34"	38"	42"	46"	50"	54"

Men	Small	Medium	Large	1X	2X
Actual chest	34–36"	38–40"	42–44"	46–48"	50–52"

Yarns In this issue of *Knitter's*

P. 16 Fresh from the Cauldron [1]
SW GRADUATED 100% merino superwash; 100g (3½oz); 366m (400yd)

P. 16 Malabrigo *MECHITA* [1]
100% merino superwash; 100g (3½oz); 384m (420yd)

P. 16 Malabrigo *SILKY MERINO* [3]
50% silk, 50% merino wool; 50g (1¾oz); 137m (150yd)

P. 16 Patons *KROY SOCKS 4* [1]
PLY 75% washable wool, 25% nylon; 50g (1¾oz); 152m (166yd)

P. 26 Trendsetter Yarns [4]
CINCIN 50% viscose, 25% cotton, 20% acrylic, 5% poly; 50g (1¾oz); 73m (80yd)

P. 26 Trendsetter Yarns [3]
MERINO 8 100% merino wool; 50g (1¾oz); 90m (98yd)

P. 26 Trendsetter Yarns *LUNA* [1]
64% viscose, 36% polyamide metal; 25g (.88oz); 320m (350yd)

P. 30 Skacel Collection [3]
Schoppel *CASHMERE QUEEN*
45% merino wool, 35% cashmere, 20% silk; 50g (1¾oz); 140m (153yd)

P. 30 Skacel Collection [1]
Schulana *KID-SETA* 70% kid mohair, 30% silk; 25g (.88oz); 210m (230yd)

P. 30 Skacel Collection [3]
Schulana *KID-SETA PEARL* 40% kid mohair, 20% cotton, 17% silk, 23% Murano glass; 25g (.88oz); 118m (129yd)

P. 36 Berroco *INDIGO* [4]
95% recycled cotton, 5% other fibers; 100g (3½oz); 200m (219yd) #4

P. 38 Knit One, Crochet Too [2]
BATISTE 50% fine merino wool, 30% linen, 20% silk; 50g (1¾oz); 190m (208yd)

P. 40 Windy Valley Muskox [1]
MAJESTIC BLEND 80% extrafine merino wool, 15% qiviut, 5% mulberry silk; 28.5g (1oz); 199m (218yd)

P. 44 Skacel Collection/ [3]
Schulana *SAYONARA PRINT*
100% silk; 50g (1¾oz); 150m (164yd)

P. 48 Prism Yarns *DELICATO* [1]
100% Tencel®; 113g (4oz); 576m (630yd)

P. 48 Prism Yarns *EUROFLAX* [1]
LINEN LACE 100% linen; 100g (3½oz); 494m (540yd)

P. 48 Prism Yarns *EUROFLAX* [3]
LINEN SPORT 100% linen; 100g (3½oz); 247m (270yd)

P. 50 Halcyon Yarns *CASCO* [2]
BAY SPORT 100% organic cotton; full cone: 454g (16oz); 1280m (1400yd); mini-cone: 113g (4oz); 320m (350yd)

P. 54 Universal Yarn *BAMBOO* [3]
POP 50% cotton, 50% bamboo; 100g (3½oz); 267m (292yd)

P. 56 Lion Brand Yarns® [3]
LB Collection *SUPERWASH MERINO* 100% superwash merino wool; 100g (3½oz); 280m (306yd)

P. 58 Universal Yarn Rozetti [3]
LUMEN 79% cotton, 21% viscose; 50g (1¾oz); 123m (134yd)

P. 58 Universal Yarn Rozetti [3]
LUMEN MULTI 79% cotton, 21% viscose; 50g (1¾oz); 123m (134yd)

P. 62 Tahki•Stacy Charles S. [3]
Charles Collezione *NINA* 77% linen, 23% cotton; 50g (1¾oz); 125m (136yd)

P. 64 Lana Grossa *CASHSILK* 40% [5]
polyamide, 30% bamboo, 15% cashmere, 15% silk; 50g (1¾oz); 75m (82yd)

P. 66 Malabrigo *SILKY MERINO* [3]
51% silk, 49% merino wool; 50g (1¾oz); 137m (150yd)

P. 68 Webs Valley Yarns [4]
COLRAIN 50% merino wool, 50% Tencel®; 50g (1¾oz); 100m (109yd)

Yarn weight categories

	0	1	2	3	4	5	6
	Lace	**Super Fine**	**Fine**	**Light**	**Medium**	**Bulky**	**Super Bulky**
Also called	Fingering 10-count crochet thread	Sock Fingering Baby	Sport Baby	DK Light-Worsted	Worsted Afghan Aran	Chunky Craft Rug	Bulky Roving
Stockinette Stitch Gauge Range 10cm/4 inches	33 sts to 40 sts	27 sts to 32 sts	23 sts to 26 sts	21 sts to 24 sts	16 sts to 20 sts	12 sts to 15 sts	6 sts to 11 sts
Recommended needle (metric)	1.5 mm to 2.5mm	2.25 mm to 3.25 mm	3.25 mm to 3.75 mm	3.75 mm to 4.5 mm	4.5 mm to 5.5 mm	5.5 mm to 8 mm	8 mm and larger
Recommended needle (US)	000 to 1	1 to 3	3 to 5	5 to 7	7 to 9	9 to 11	11 and larger

Locate the Yarn Weight and Stockinette Stitch Gauge Range over 10cm to 4" on the chart. Compare that range with the information on the yarn label to find an appropriate yarn. These are guidelines only for commonly used gauges and needle sizes in specific yarn categories.

index
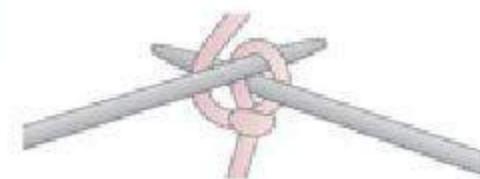
KNIT CAST-ON

1 Start with a slip knot on left needle (first cast-on stitch). Insert right needle into slip knot from front. Wrap yarn over right needle as if to knit.
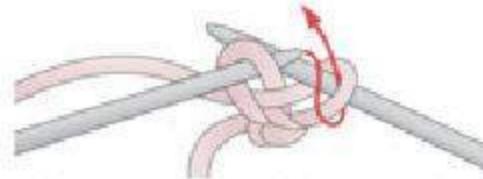
2 Bring yarn through slip knot, forming a loop on right needle.
3 Insert left needle under loop and slip loop off right needle. One additional stitch cast on.

4 Insert right needle into last stitch on left needle as if to knit. Knit a stitch and transfer it to the left needle as in Step 3. Repeat Step 4 for each additional stitch.

PURL
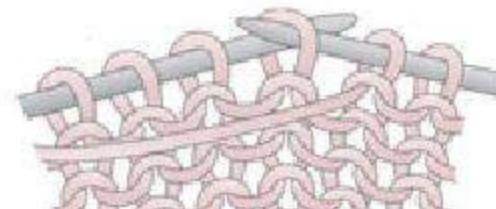
1 With yarn in front of work, insert right needle into stitch from back to front.

2 Bring yarn over right needle from front to back.

3 Bring yarn through stitch with right needle. Pull stitch off left needle. Repeat Steps 1–3.

KNIT
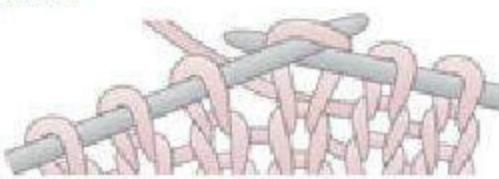
1 With yarn in back of work, insert right needle into stitch on left needle from front to back.

2 Bring yarn between needles and over right needle.

3 Bring yarn through stitch with right needle. Pull stitch off left needle.
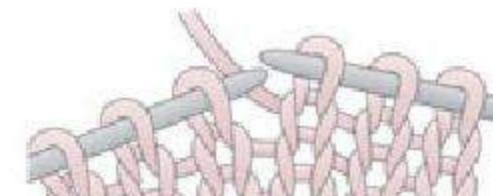
Knit stitch completed. Repeat Steps 1–3.

BIND OFF
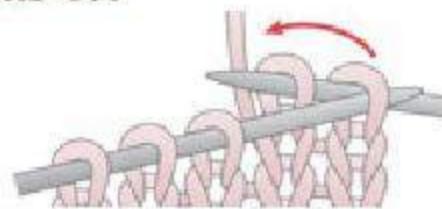
Knitwise
1 Knit 2 stitches.
2 With left needle, pass first stitch on right needle over second stitch (above) and off needle: 1 stitch bound off (next drawing).
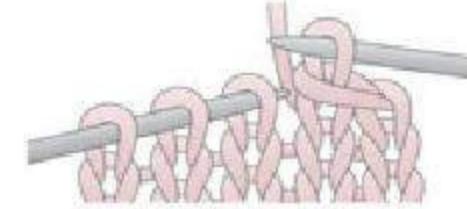
3 Knit 1 more stitch.
4 Pass first stitch over second. Repeat Steps 3 and 4.
When last loop is on right needle, break yarn and pull tail of yarn through loop to fasten (see Fasten off).

Purlwise
Work Steps 1–4 of Bind-off Knitwise EXCEPT, purl the stitches instead of knitting them.

FASTEN OFF
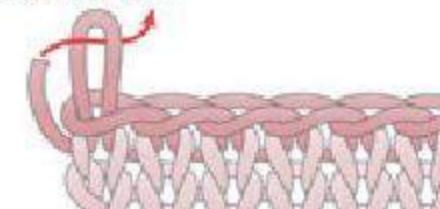
Work bind-off until only 1 stitch remains on right needle. If this is the last stitch of a row, cut yarn and fasten off stitch as shown above. Otherwise, this is the first stitch of the next section of knitting.

abbreviations

CC contrasting color
cm centimeter(s)
cn cable needle
dec decrease(e)(ed)(es)(ing)
dpn double-pointed needle(s)
g gram(s)
" inch(es)
inc increas(e)(ed)(es)(ing)

k knit(ting)(s)(ted)
k2tog knit 2 together
kf&b knit in front and back of stitch
m meter(s)
M1 make one stitch (increase)
MC main color
mm millimeter(s)
oz ounce(s)
p purl(ed)(ing)(s)

p2tog purl 2 together
pm place marker
psso pass slipped stitch(es) over
RS right side(s)
sc single crochet
sl slip(ped)(ping)
sm slip marker
st(s) stitch(es)
tbl through back of loop(s)

tog together
WS wrong side(s)
wyib with yarn in back
wyif with yarn in front
X times
yd(s) yard(s)
yo yarn over

working from charts

Charts are graphs or grids of squares that represent the right side of knitted fabric. They illustrate every stitch and the relationship between the rows of stitches. *Squares* contain knitting symbols. *The key* defines each symbol as an operation to make a stitch or stitches.

The pattern provides any special instructions for using the chart(s) or the key. *The numbers* along the sides of charts indicate the rows. A number on the right side marks a right-side row that is worked leftward from the number. A number on the left side marks a wrong-side row that is worked rightward. Since many stitches are worked differently on wrong-side rows, the key will indicate that. If the pattern is worked circularly, all rows are right-side rows and worked from right to left.

Bold lines within the graph represent repeats. These set off a group of stitches that are repeated across a row. You begin at the edge of a row or where the pattern indicates for the required size, work across to the second line, repeat the stitches between the repeat lines as many times as directed, then finish the row.

The sizes of a garment are often labeled with beginning and ending marks on the chart. This avoids having to chart each size separately.

K2TOG TBL (K3TOG TBL)

1 Insert right needle through the back loops of first 2 (3) stitches on left needle,.

2 Knit these 2 (3) stitches together as if they were 1. The result is a twisted left-slanting single (double) decrease.

CHAIN STITCH

1 Make a slip knot to begin. *2* Catch yarn and draw through loop on hook (left). First chain made (right). Repeat Step 2.

KNIT INTO FRONT & BACK (kf&b)

1 Knit into front of next stitch on left needle, but do not pull the stitch off needle. *2* Take right needle to back, then knit through the back of the same stitch.

3 Pull stitch off left needle. Completed increase: 2 stitches from 1 stitch. This increase results in a purl bump after the knit stitch.

K2TOG (K3TOG)

A right-slanting single (double) decrease

1 Insert right needle into first 2 (3) stitches on left needle, beginning with second (third) stitch from end of left needle.

2 Knit these 2 (3) stitches together as if they were 1.

YARN OVER (YO)

Between knit stitches
Bring yarn under the needle to the front, take it over the needle to the back and knit the next stitch.

Between purl stitches
With yarn in front of needle, bring it over the needle to the back and to the front again; purl next stitch.

After a purl, before a knit
With yarn in front of the needle, bring it over the needle to the back; knit next stitch.

P2TOG (P3TOG)
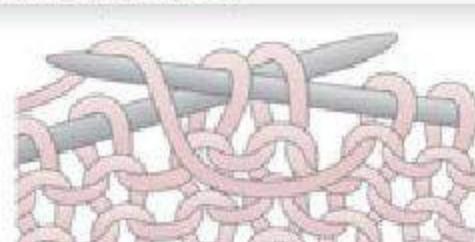
1 Insert right needle into first 2 (3) stitches on left needle.

2 Purl these 2 (3) stitches together as if they were 1.
The result is a right-slanting decrease.

KNIT THROUGH BACK LOOP

(k1 tbl)

1 With right needle behind left needle and right leg of stitch, insert needle into stitch…

2 …and knit.

PICK UP & KNIT (PUK)
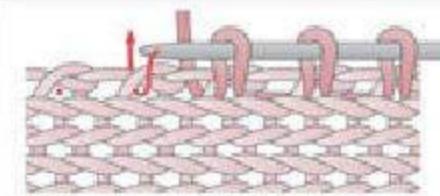
With right side facing and yarn in back, insert needle from front to back in center of edge stitch, catch yarn,
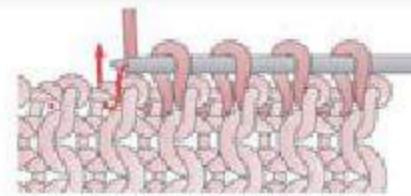
and knit a stitch. (See stockinette left, garter right.)

SHORT ROWS (W&T)

Each short row adds two rows of knitting across a section of the work. Since the work is turned before completing a row, stitches must be wrapped at the turn to prevent holes. On stockinette stitch, work a wrap as follows:

Knit side

1 With yarn in back, slip next stitch as if to purl. Bring yarn to front of work and slip stitch back to left needle (as shown). Turn work.
2 With yarn in front, slip next stitch as if to purl. Work to end.

3 When you come to the wrap on a following knit row, hide the wrap by knitting it together with the stitch it wraps.

Purl side

1 With yarn in front, slip next stitch as if to purl. Bring yarn to back of work and slip stitch back to left needle (as shown). Turn work.
2 With yarn in back, slip next stitch as if to purl. Work to end.

3 When you come to the wrap on a following purl row, hide the wrap by purling it together with the stitch it wraps.

3-NEEDLE BIND-OFF

Instead of binding off shoulder stitches and sewing them together:

2 With left needle, pass first stitch on right needle over second stitch and off right needle.
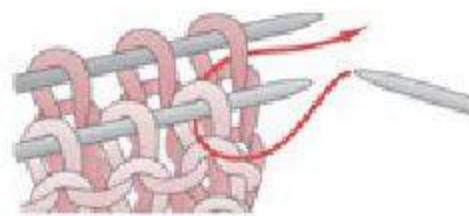
Bind-off ridge on wrong side
1 With stitches on 2 needles, place *right sides together*. *Knit 2 stitches together (1 from front needle and 1 from back needle, as shown); repeat from *once more.
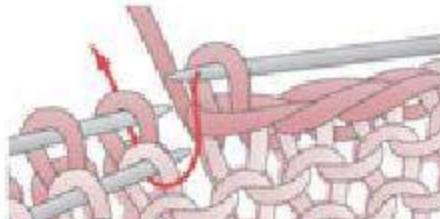
3 Knit next 2 stitches together.
4 Repeat Steps 2 and 3, end by drawing yarn through last stitch. (See Fasten off).
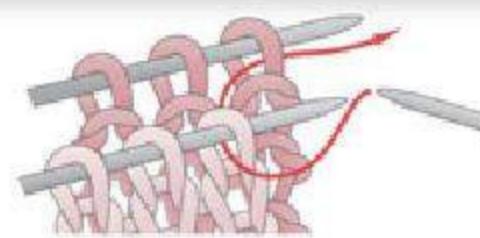
Bind-off ridge on right side
Work as for ridge on wrong side, EXCEPT with wrong sides together.

MAKE 1 (M1)

Knit
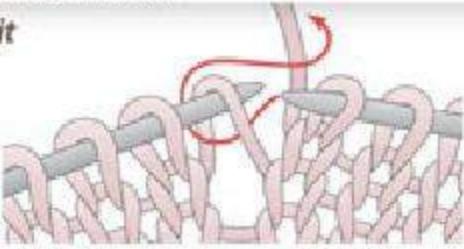
For a *left-slanting* increase (M1L), insert left needle from front to back under strand between last stitch knitted and first stitch on left needle. Knit, twisting strand by working into loop at back of needle.

The result is a left-slanting increase.
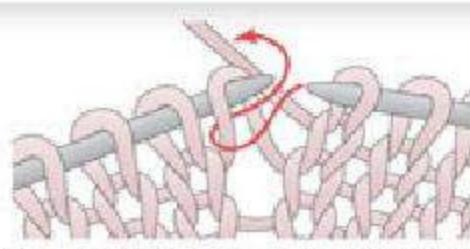
Or, for a *right-slanting* increase (M1R), insert left needle from back to front under strand between last stitch knitted and first stitch on left needle. Knit, twisting strand by working into loop at front of needle.

The result is a right-slanting increase.

Purl
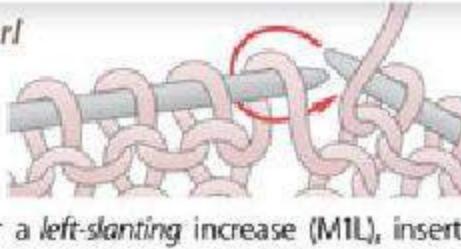
For a *left-slanting* increase (M1L), insert left needle from front to back under strand between last stitch worked and first stitch on left needle. Purl, twisting strand by working into loop at back of needle from left to right.
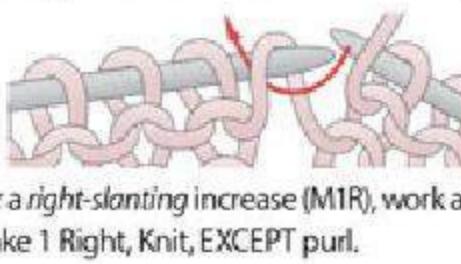
For a *right-slanting* increase (M1R), work as for Make 1 Right, Knit, EXCEPT purl.

SK2P, SL 1-K2TOG-PSSO

A left-slanting double decrease
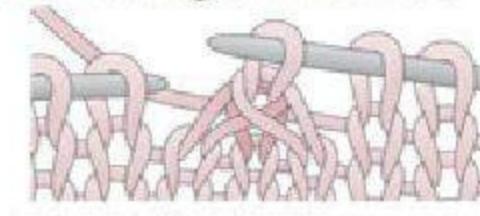
1 Slip 1 stitch knitwise.
2 Knit next 2 stitches together.
3 Pass the slipped stitch over the k2tog: 3 stitches become 1; the right stitch is on top.

S2KP2, SL2-K1-P2SSO

A centered double decrease
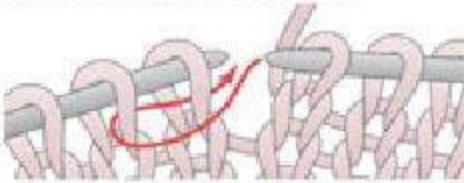
1 Slip 2 stitches together to right needle as if to knit.
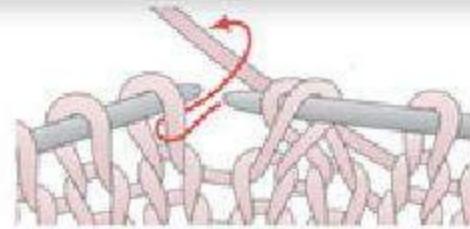
2 Knit next stitch.
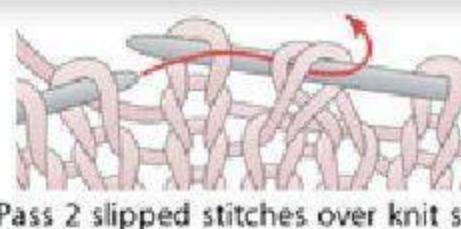
3 Pass 2 slipped stitches over knit stitch and off right needle: 3 stitches become 1; the center stitch is on top.
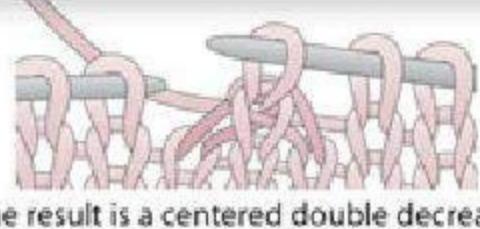
The result is a centered double decrease.

SSK

A left-slanting single decrease
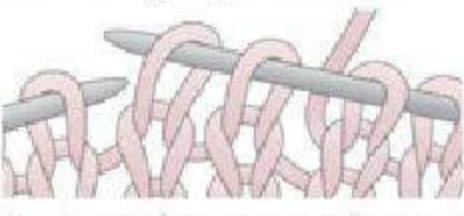
1 Slip 2 stitches separately to right needle as if to knit.

2 Slip left needle into these 2 stitches from left to right and knit them together:

2 stitches become 1.
The result is a left-slanting decrease.

SSSK

A left-slanting double decrease

Work same as SSK EXCEPT: **1** Slip 3 stitches. **2** Knit these 3 stitches together.

SSP

A left-slanting single decrease

1 Slip 2 stitches separately to right needle as if to knit.

2 Slip these 2 stitches back onto left needle. Insert right needle through their 'back loops' (into the second stitch and then the first).

3 Purl them together: 2 stitches become 1.

The result is a left-slanting decrease.

Ripple effects

Finishing

Block pieces. Sew shoulder seams.

Left front band

With RS facing and smaller needle, PUK along left front edge. Knit 8 rows. Bind off.

Right front band

Work as for left front band EXCEPT PUK along right front edge.

Neck band

With RS facing, smaller needle, and beginning at right front neck edge, cast on 6, then PUK along neck edge. Knit 8 rows, working 3-row Buttonhole in Rows 4–6. Bind off.

Set in sleeves, matching markers to beginning of armhole bind-off. Sew sleeve seams. Sew on button. ⌒

Sleeve
15 (16, 17, 18, 19, 20)"
2½ (3, 3½, 4, 4, 4½)"
13½ (13½, 14, 14, 14½, 14½)"
9½ (9½, 11, 11, 12½, 12½)"

Left Front   Back   Right Front
4 (4, 4, 4½, 4½, 5)"   6½ (7, 7, 7, 7½, 7½)"
3"   1"
7½ (8, 8½, 9, 9½, 10)"
19½ (20, 20½, 21¼, 22, 22½)"
14 (14, 14, 14½, 14½, 14½)"
37 (40½, 43½, 46½, 49½, 52½)"

> **PUK**
>
> With RS facing, pick up and knit (PUK) at the following rates: 3 stitches for every 4 rows along vertical edges and 1 stitch for every bound-off stitch.

Light shift

Sleeves

With smaller needles, cast on **62 (62, 62, 68, 68)**. *Row 1* (WS) K1 (edge stitch), work K3, P3 Rib to last stitch, k1 (edge stitch). Knitting edge stitches every row, continue in K3, P3 Rib until piece measures 1½", end with a RS row. *Next row* (WS) Knit. Change to larger needles. Work Chart as follows: Work Rows 1 and 2. Continue in pattern and Inc 1 each side every RS row 3 (5, 5, 3, 5) times, then every 4 rows 3 (2, 3, 4, 3) times—**74 (76, 78, 82, 84)** stitches. Work even until piece measures 4½ (4½, 5, 5, 5)", end with a WS row.

Shape cap

At beginning of every row, bind off **5 (6, 7, 8, 9)** twice, then 2 stitches 0 (2, 2, 4, 2) times. **[Dec 1 each side of next row; work 1 row even]** 7 (2, 0, 1, 0) times, then **[Dec 1 each side of next row; work 3 rows even]** 3 (6, 8, 8, 10)

Sleeve
14 (14½, 15, 15½, 16)"
4½ (5, 5½, 6½, 6½)"
4½ (4½, 5, 5, 5)"
12 (12, 12, 13, 13)"

times. At beginning of every row, bind off 2 stitches 4 times, 3 stitches twice, then 4 stitches twice. Bind off remaining stitches.

Finishing

Block pieces. Sew shoulder seams.

Neck band

With RS facing, smaller needle, and beginning at right front neck, PUK along neck edge. *Row 1* (WS) K1, **[p3, k3]** to last 4 stitches, p3, k1. *Row 2* K1, **[k3, p3]** to last 4, k4. Repeat Rows 1 and 2 until neck band measures 1", end with a WS row. *Next row* (RS) K1, **[k3, yo, S2KP2, yo]** to last 4, k4. Bind off in knit.

Button band

Work as for neck band EXCEPT PUK along end of neck band and left front edge.

Buttonhole band

Mark placement of **7 (7, 8, 8, 9)** buttonholes along right front edge, with one ½" from top, one ½" from bottom, and 5 (5, 6, 6, 7) spaced evenly between. Work as for neck band EXCEPT PUK along right front edge and end of neck band AND work k2tog-yo buttonholes at marked positions on 4th row.

Set in sleeves. Sew side and sleeve seams. Sew on buttons. ⌒

> **PUK**
>
> With RS facing, pick up and knit (PUK) at the following rates: 3 stitches for every 4 rows along vertical edges AND 1 stitch for every bound-off stitch. Count stitches and adjust to a multiple of 6 + 5 on next row if necessary.

Static resistance

Schematic diagram of garment:

7 (7, 7½, 8)" — 9 (9½, 10½, 11½)"

1"

6½ (7, 7, 7½)"

2½ (3, 3, 3½)"

Back

mosaic panel

Front

18"

13"

19½ (21, 22½, 24)"
22½ (24, 25½, 27)"

Divide for neck

Next row (RS) Work to marked stitches and place stitches from right needle on hold for left shoulder, join second ball of yarn and bind off marked center stitches, work to end — **50** (52, 55, 56) stitches.

Shape neck and right shoulder

Dec 1 at neck edge every row 6 times, Dec 1 every RS row 5 times, then work even and AT SAME TIME, when piece measures same as back to shoulder, end with a WS row and work short-row shaping as follows: *Begin short-row shaping: Rows 1 and 2* Work to last 9, wrap and turn (W&T); work to end. *Rows 3 and 4* Work to **8** (9, **9**, 9) before last wrapped stitch, W&T; work to end. *Rows 5 and 6* Work to **8** (8, **9**, 9) before last wrapped stitch, W&T; work to end. *Rows 7 and 8* Work to **7** (8, **9**, 9) before last wrapped stitch, W&T; work to end. Bind off remaining stitches, hiding wraps.

Shape neck and left shoulder

Join yarn at neck edge. Work as for right neck and shoulder EXCEPT begin shoulder shaping on a WS row.

Finishing

Block pieces. Sew shoulder seams.

Neck band

With RS facing, 3.75mm/US5 circular needle, and B, beginning at left shoulder, pick up and knit (PUK) around neck edge at the following rates: 3 stitches for every 4 rows along vertical and diagonal edges AND 1 stitch for every bound-off stitch. Place marker and join to work in the round. Purl 1 round. Knit 1 round. Purl 1 round. **Next round** [K2, k2tog] twice, knit to 8 stitches before right shoulder,

[k2tog, k2] twice; k2, k2tog, knit to last 4 stitches of round, k2tog, k2. Bind off in purl.

Arm bands

With RS facing, 3.75mm/US5 needles, and B, PUK along armhole edge. Knit 4 rows. Bind off in knit. Sew side seams, matching stripes. Fold picot hem to WS along eyelet row and sew loosely, catching every other stitch. ∩

Extended Chart

M, 1X — S, L — END — 18-st repeat — BEGIN — S, L — M, 1X
Edge stitch All Sizes — Edge stitch All Sizes

Chart Notes

Although this is a 2-color pattern, only 1 yarn is used for each row; change color at the beginning of every RS row.

The color of the first square is the color of the yarn used for that row: With B, knit Rows 1 and 2. With A, knit Row 3 and purl Row 4, slipping B stitches. With B, knit Rows 5 and 6, slipping A stitches.

The Mosaic chart combines RS and WS rows in one chart row. Follow the chart for RS rows; for WS rows, simply knit the stitches in the working color and slip the stitches in the non-working color (as shown on the Extended chart).

When you understand how the Mosaic chart works, you'll see how easy it is to work from the Simplified chart.

Mosaic Chart

M, 1X — S, L — END — 18-st repeat — BEGIN — S, L — M, 1X
Edge stitch All Sizes — Edge stitch All Sizes

This chart combines RS and WS rows in one chart row and shows slipped stitches.

Simplified Chart

M, 1X — S, L — END — 18-st repeat — BEGIN — S, L — M, 1X
Edge stitch All Sizes — Edge stitch All Sizes

This chart combines RS and WS rows within one chart row and eliminates the slipped-stitch V's. Here, color indicates which stitches to work (the color of the first square) and which to slip (the opposite color).

Stitch key

☐ Knit on RS, purl on WS
⊟ Knit on WS
☑ Sl 1 purlwise with yarn at WS of work

Color Key

☐ A in stockinette
▦ B in garter stitch
▦ C in garter stitch

Ag status

(continued from page 64)

Shape cap

At beginning of next 2 rows, bind off **3 (4, 4)**. Work 2 rows even. [**Dec 1 each side of next RS row; work 3 rows even**] 6 times, Dec 1 each side every RS row **8 (9, 10)** times, then every row 4 times—5 stitches. Bind off in pattern.

Finishing

Block. Sew shoulder seams. Set in sleeves. Sew side and sleeve seams.

Collar

Collar is joined to neck on WS rows with SSK as it is worked.

With RS facing and smaller circular needle, pick up and knit around neck edge at the following rates: 1 stitch for every garter ridge along vertical and diagonal edges AND 1 stitch for every bound-off stitch. **Next row** (WS) Cast on 13 using cable cast-on. K6, p6, knit 1 collar stitch with 1 picked-up stitch (SSK join), turn. **Begin pattern: Row 1** (RS) K1, work 6 in Beaded Cable, k6. **Row 2** K6, p6, SSK join, turn. Repeat Rows 1 and 2 until all picked-up stitches have been joined with collar, end with a WS row—13 stitches. Bind off in pattern. Fold collar in half lengthwise and sew edge to WS along picked-up stitches. Sew ends closed.
Sew on closure 7" from bottom edge. ⌒
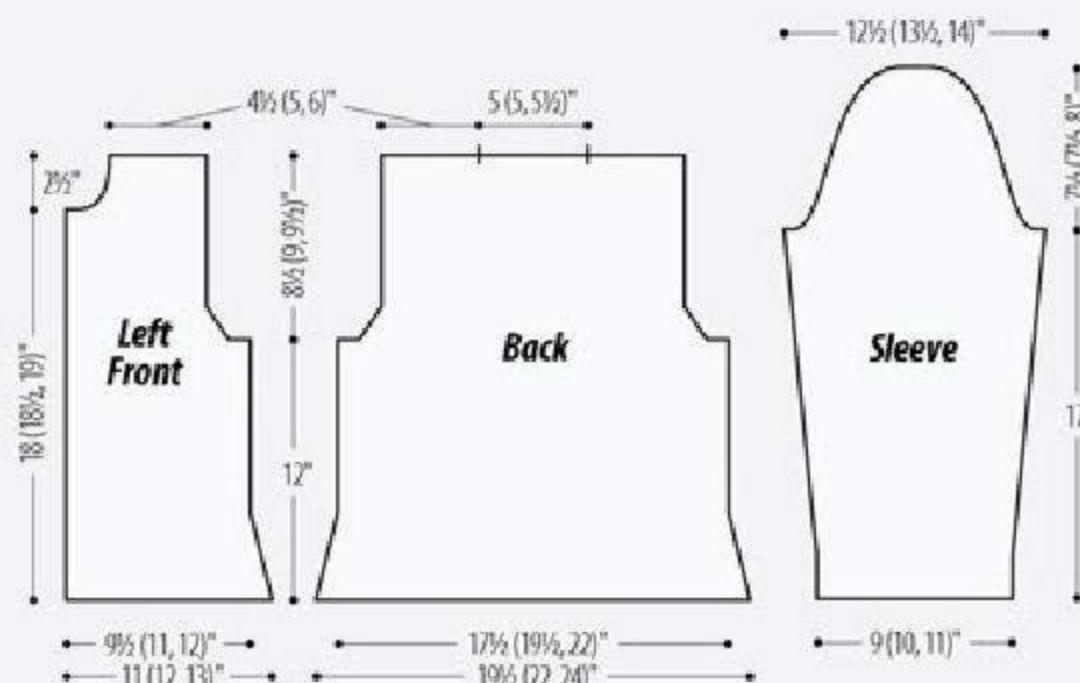
4½ (5, 6)"   5 (5, 5½)"

Left Front

2½"   8½ (9, 9½)"

12"

18 (18½, 19)"

9½ (11, 12)"
11 (12, 13)"

Back

17½ (19½, 22)"
19½ (22, 24)"

12½ (13½, 14)"

Sleeve

7½ (7½, 8)"

17"

9 (10, 11)"

Knit Wise

Cable cast-on

1 Start with a slip knot on left needle (first cast-on stitch). Insert right needle into slip knot from front. Wrap yarn over right needle as if to knit.

2 Bring yarn through slip knot, forming a loop on right needle.

3 Insert left needle in loop and slip loop off right needle. One additional stitch cast on.
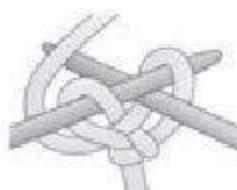
4 Insert right needle between the last 2 stitches (from back for a purl, from front for a knit). From this position, knit a stitch and slip it to the left needle as in Step 3. Repeat Step 4 for each additional stitch.

Ocean shale

(continued from page 54)

Sleeves

With A, cast on **64 (68, 70, 74, 76, 82)**. Knit 3 rows. **Begin Stripe Sequence and Chart 2** Work Chart 2 in Stripe Sequence and AT SAME TIME, Inc 1 each side of next RS row, [**work 1 row even; Inc 1 each side of next row**] 4 (6, 8, 8, 12, 12) times, [**work 3 rows even; Inc 1 each side of next row**] 5 (4, 3, 3, 1, 1) times, then work next WS row even—**84 (90, 94, 98, 104, 110)** stitches.

Shape cap

At beginning of next 2 rows, bind off **8 (10, 11, 13, 14, 16)**. [**Dec 1 each side of next RS row; work 1 row even**] 21 (21, 21, 19, 19, 19) times, then [**Dec 1 each side of next row; work 3 rows even**] 0 (1, 2, 4, 4, 5) times. At beginning of next 4 rows, bind off **3 (3, 3, 3, 4, 4)**. Bind off remaining 14 stitches.

Finishing

Sew shoulder seams. Set in sleeves. Sew side and sleeve seams.

Neck edging

With RS facing, A, and beginning at center back, work slip-stitch crochet around neck edge. Fasten off. ⌒

14 (15, 15½, 16½, 17½, 18½)"

Sleeve

5 (5½, 6, 6½, 6¾, 7)"

4"

10½ (11½, 11½, 12½, 12½, 13½)"
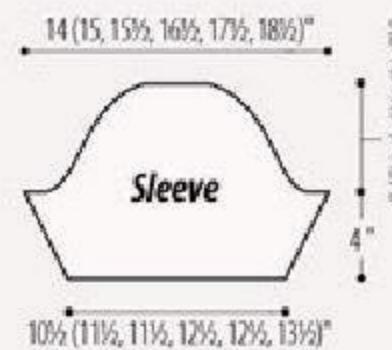
Crochet Wise

Slip-stitch crochet
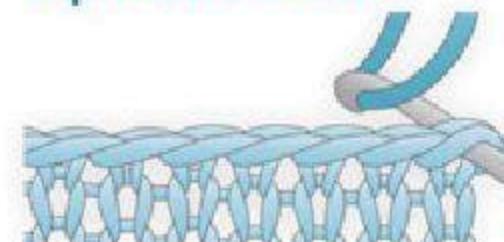
1 Insert hook into a stitch, catch yarn, and pull up a loop.
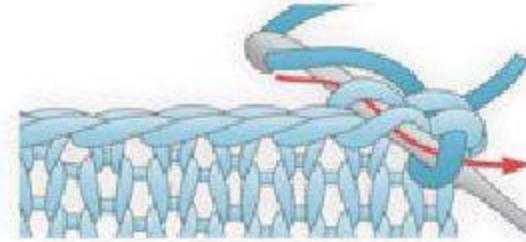
2 Insert hook into the next stitch to the left, catch yarn, and pull through both the stitch and the loop on the hook; 1 loop on the hook. Repeat Step 2.

3 (3, 3, 3½, 3½, 3½)"   7 (7, 7, 7½, 7½, 7½)"

Back

7½ (8, 8½, 9, 9½, 10)"

16"

Front

3 (3, 3, 3½, 4, 4)"

20½ (21, 21½, 21½, 21½, 22)"

16½ (18, 19½, 21, 22, 23½)"
17½ (19, 20½, 22, 23, 24½)"
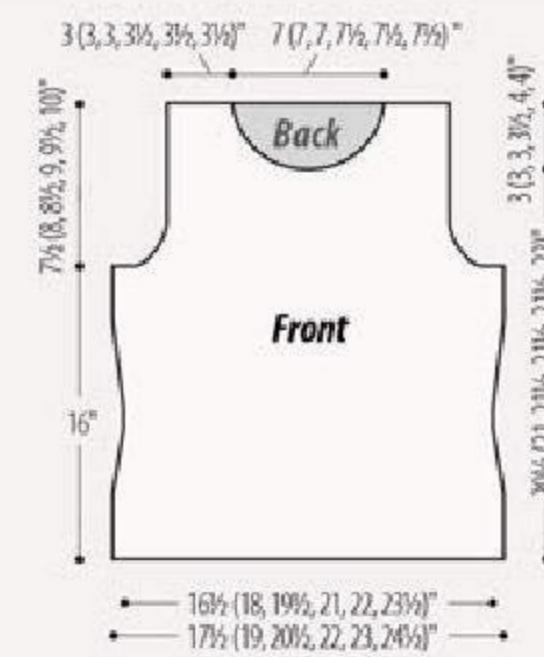
Warp speed

Front

Work as for back to neck marker, end with a WS row.

Shape neck

Next row (RS) Work **67** (**73**, **80**, **86**, **93**), place next **50** (**51**, **50**, **51**, **50**) on hold for front neck, join a second ball of yarn and work to end. Working both sides at the same side with separate balls of yarn, continue as established until armhole measures same as back to shoulder.

Finishing

With RS together, join right shoulder using 3-needle bind off.

Neck band

With RS facing, smaller needle, and C, k**50** (**51**, **50**, **51**, **50**) held back neck stitches, place marker (pm), pick up and knit (PUK) 3 stitches for every 4 rows along left front neck, pm, k**50** (**51**, **50**, **51**, **50**) held front neck stitch-

es, pm, PUK along right front neck. *Next row* (WS) [Knit to marker, (k3, k2tog) 10 times, k**0** (**1**, **0**, **1**, **0**)] twice. Knit 2 rows A, 2 rows D, then 2 rows B. *Next row* (RS) With A, [**knit to marker, (k2tog, k8) 4 times, k0 (1, 0, 1, 0)**] twice. Bind off in knit.

With RS together, join left shoulder using 3-needle bind off.

Sew side and sleeve seams. Sew neck band seam. ⌒

Refracting diamonds

Shape right neck and shoulder

Return held right neck and shoulder stitches to needle, ready to work a RS row. Join yarn at neck edge and work 2 rows. Work Short Rows 1–12 as for left neck and shoulder. *Next row* (RS) Purl across all stitches, hiding wraps using p2tog — **29** (**32**, **36**, **39**, **43**, **48**) stitches.

Eyelet row (WS) P1, [**yo, p2tog**] to last **0** (**1**, **1**, **0**, **0**, **1**), p**0** (**1**, **1**, **0**, **0**, **1**). Purl 1 row. Place stitches on hold.

Back

Return held back stitches to needle, ready to work a RS row. Work as for front to neck and shoulder shaping.

Shape shoulders

Begin short rows: SR 1 and 2 [**Work to last 2, W&T**] twice. *SR 3–12* [**Work to 3 before last wrapped stitch, W&T**] 10 times. *Next row* (RS) Work across, hiding wraps using k2tog. *Next row* K**29** (**32**, **36**, **39**, **43**, **48**), pm for back neck, p**30** (**34**, **34**, **38**, **38**, **38**), pm, knit to end, hiding wraps using k2tog tbl. *Next row* K1, [**yo, k2tog**] to **0** (**1**, **1**, **0**, **0**, **1**) before marker, knit to second marker, k1, [**yo, k2tog**] to last **0** (**1**, **1**, **0**, **0**, **1**), k**0** (**1**, **1**, **0**, **0**, **1**). Knit 1 row. Place stitches on hold.

Finishing

With WS together, join shoulders using 3-needle bind-off as follows: join **29** (**32**, **36**, **39**, **43**, **48**) stitches of first shoulder; knit back neck stitches and place on hold; join second shoulder. Sew sleeve seams.

Neck band

With RS facing and shorter needle, knit held back neck stitches, PUK along left front neck, knit across held front neck stitches, PUK along right front neck. Place marker and join to work in the round. Work Rounds 1–3 of Eyelet Pattern. Bind off in purl.

Arm bands

Beginning at underarm seam, PUK around sleeve edge and work as for neck band. Block. ⌒

PUK

With RS facing, pick up and knit (PUK) at the following rates: 2 stitches for every 3 rows along vertical and diagonal edges AND 1 stitch for every bound-off stitch, adjusting to an even number of stitches on next round if necessary.
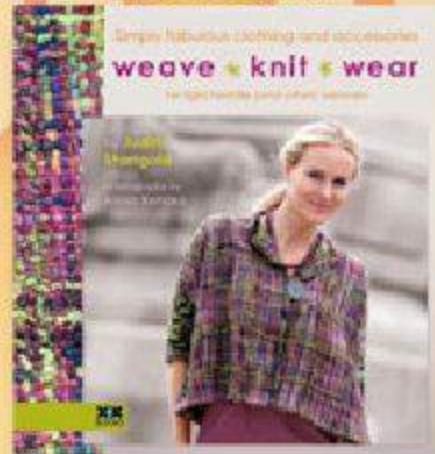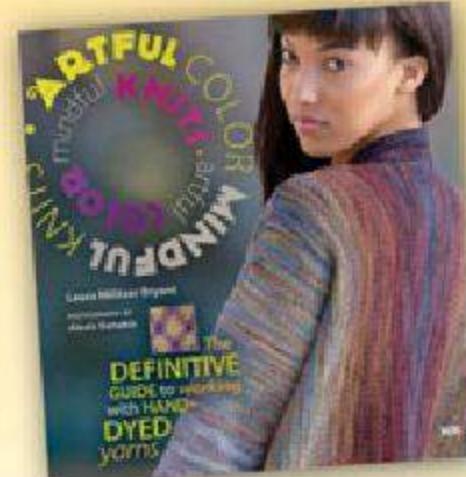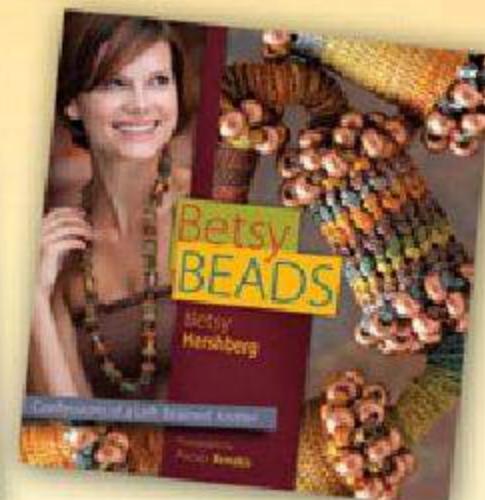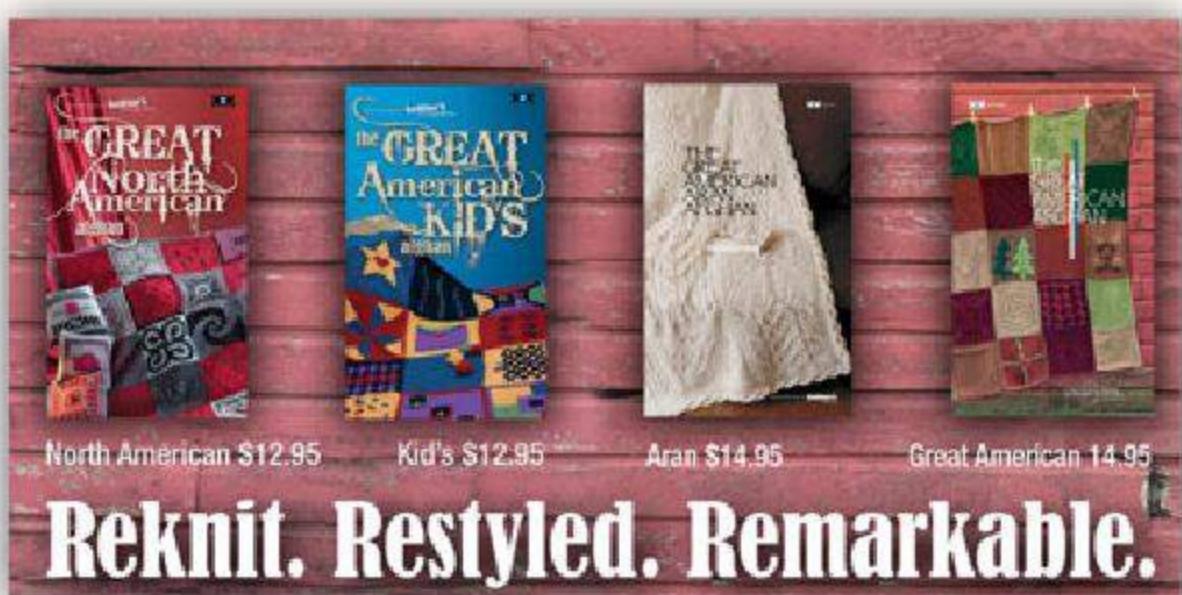
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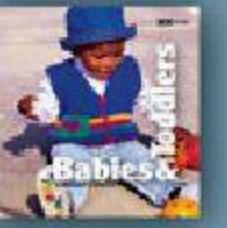
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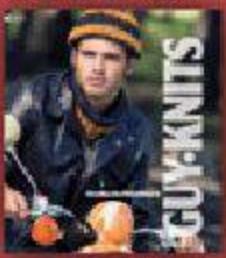
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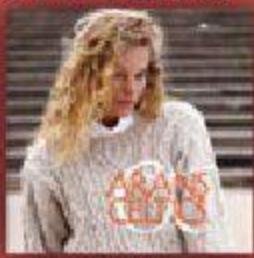
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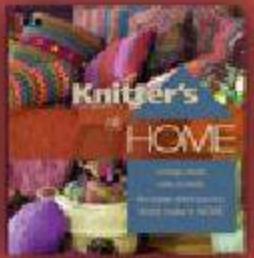
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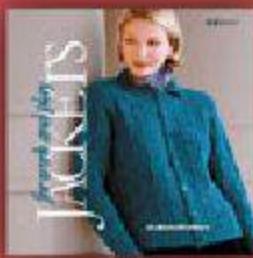
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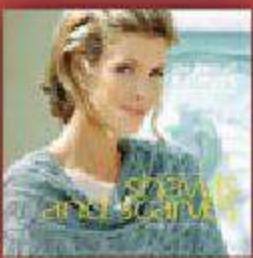
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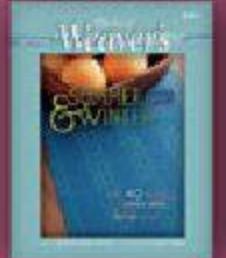
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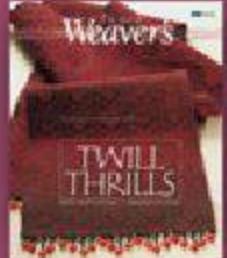
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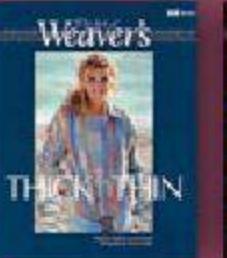
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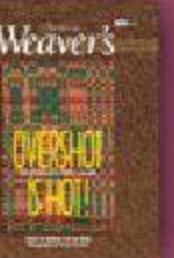
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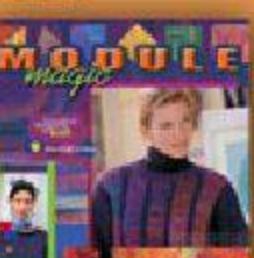
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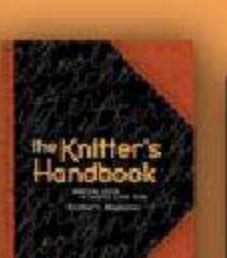
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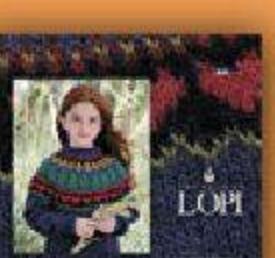
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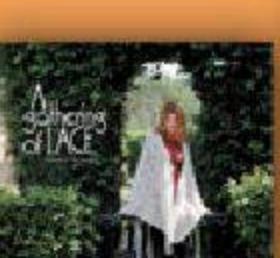
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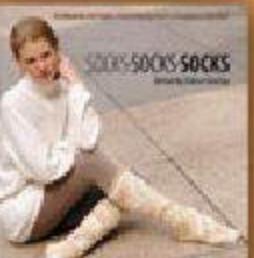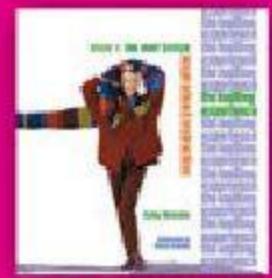
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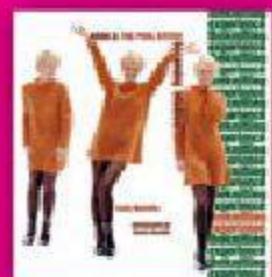
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XRX, Inc., PO Box 965, Sioux Falls, SD 57101-0965

Classified ad rates

It's only $1.95/word, or include your logo for just $150/column inch. To place a classified ad in the next issue of Knitter's, send payment along with your ad to: XRX, Inc., Knitter's Advertising, PO Box 965, Sioux Falls, SD 57101. You may fax your ad with a Visa, MC, Disc, or Amex # and exp. date to 605-338-2994 or call: 605-338-2450 or 800-722-2558 ext. 39, email: classifieds@xrx-inc.com

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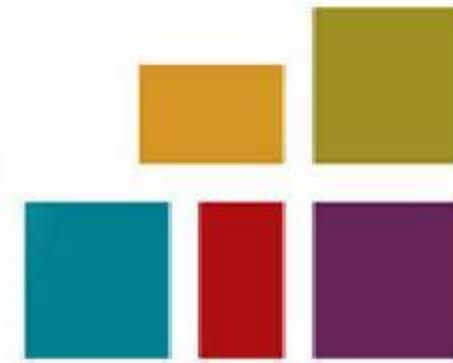
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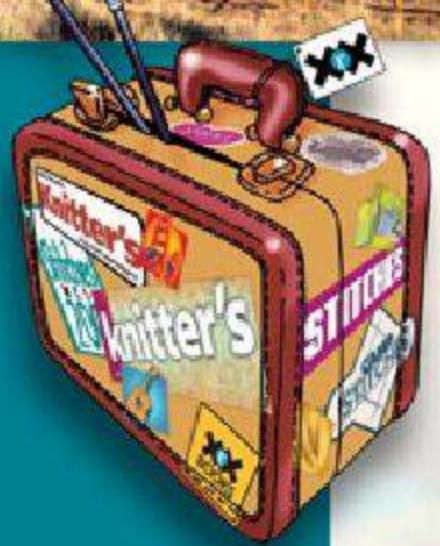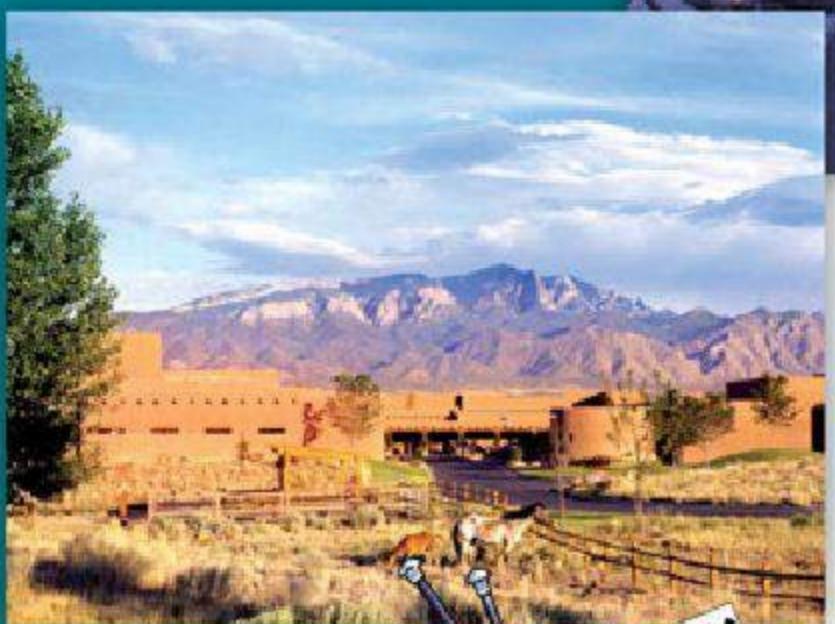
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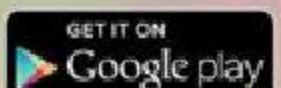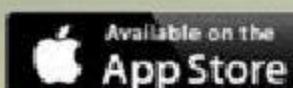
afghans

next in knitter's magazine

magazine

SUMMER 2015

Of heart & home
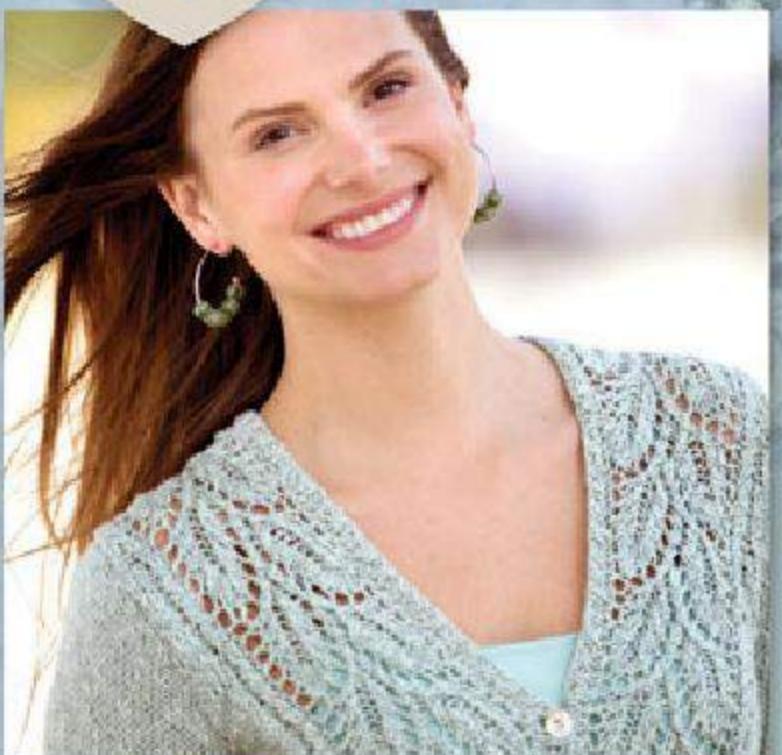
Modular Afghans
Leaf-motif tops
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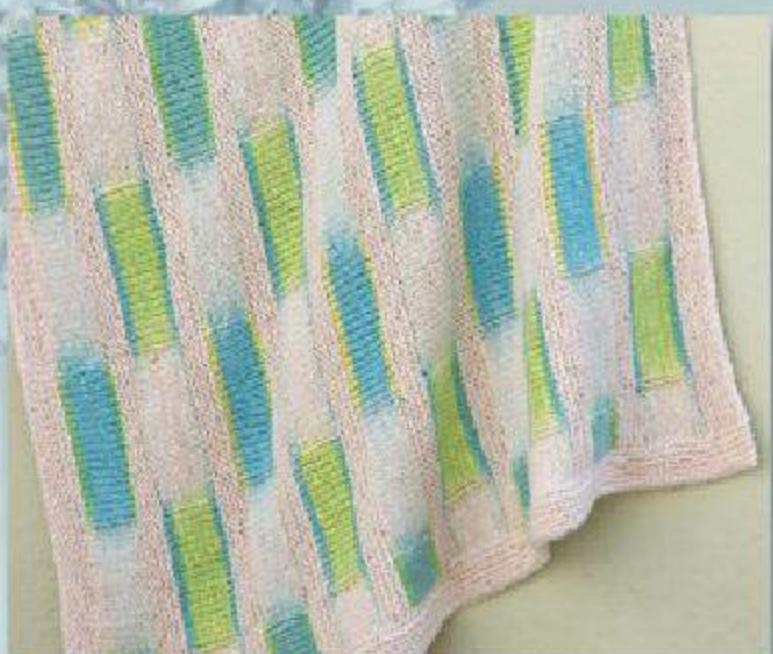
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